

ILLINOIS STATE UNIVERSITY

Undergraduate

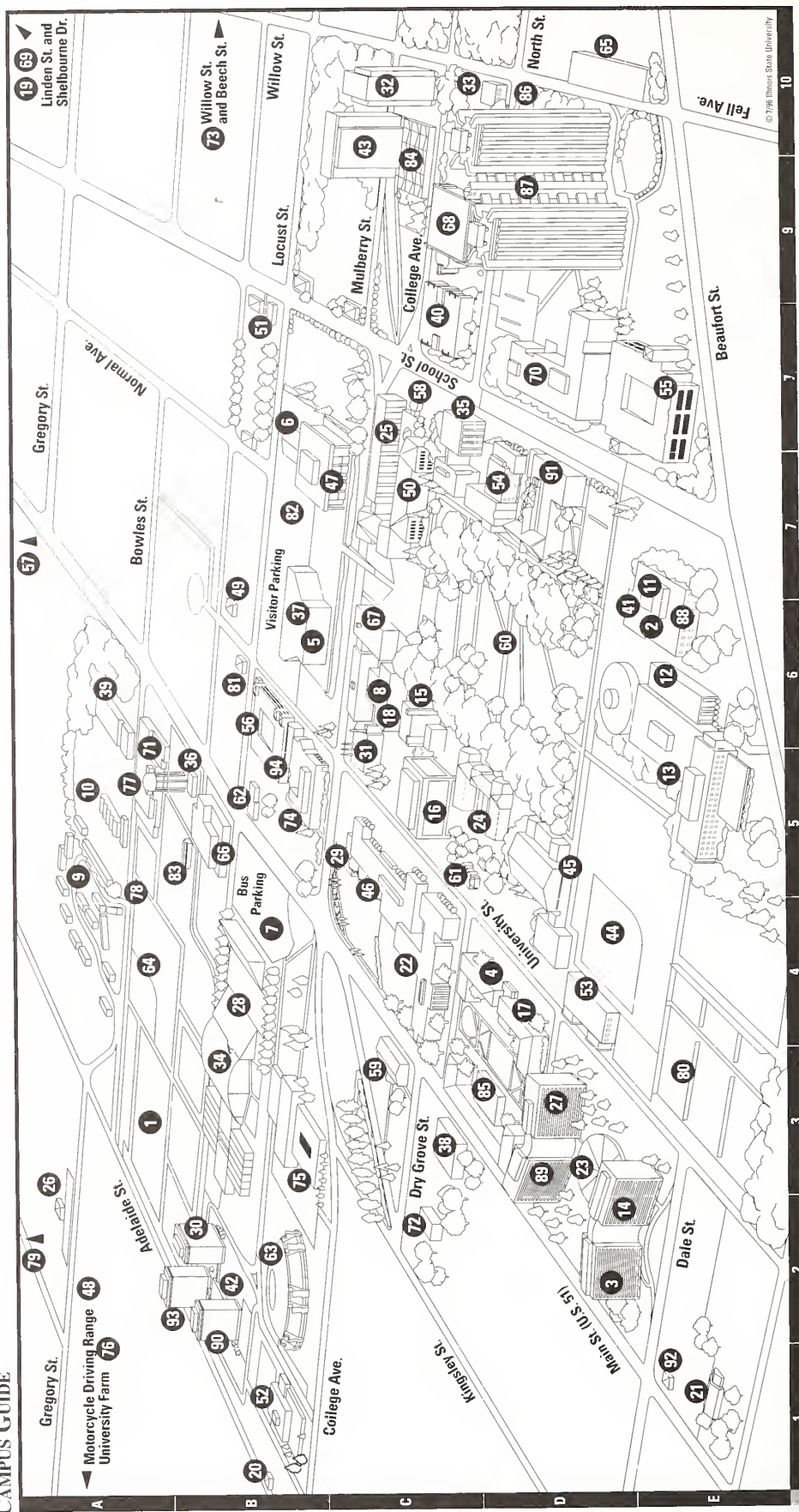
Catalog

1997 - 1998

ILLINOIS STATE
UNIVERSITY



CAMPUS GUIDE



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ILLINOIS STATE UNIVERSITY

Undergraduate Catalog

1997-1998

Effective May 19, 1997

University Offices

University Operator: (309) 438-2111

Admissions: 438-2181

Financial Aid: 438-2231

Records: 438-3408

Registration: 438-2188

Residential Life: 438-8611

Student Recruitment: 438-2181

Undergraduate Evaluations: 438-2282

Veterans Affairs: 438-2207

Using the Catalog

This publication contains information about admission, costs, financial aid, housing, academic programs and requirements, and student services and activities of Illinois State University. The importance of some of this information will vary from student to student; **however, the sections on admission, costs and financial information, and academic requirements apply to all students and should be read carefully.**

All students are urged to review the entire *Undergraduate Catalog* carefully to gain an overview of the opportunities offered by the University, as well as the University's expectations of students. For specific information about particular concerns, students should consult either the Table of Contents or the Index.

A wide variety of undergraduate programs (majors and minors) in more than 70 separate fields of study are described. Students should consult the appropriate departmental section of the *Undergraduate Catalog* for a description of the requirements for each of these programs and the academic requirements section for the general requirements for graduation. **Students in Teacher Education programs should pay particular attention to the section devoted to University-wide Teacher Education program requirements.**

Undergraduate courses offered by the 36 academic departments of the University are also described in this *Undergraduate Catalog*. Students should consult the *Class Registration Directory*, published each semester, for specific information about courses to be offered that semester.

Illinois State University is committed to non-discrimination and equal opportunity in programs, activities, and employment for students and employees regardless of race, color, religion, sex, national origin, sexual orientation, ancestry, age, marital status, physical or mental disability, unfavorable discharge from military, or status as a disabled veteran or veteran of the Vietnam Era, or other factors prohibited by law. Further, Illinois State University is committed to a comprehensive program of Affirmative Action to insure access, equity and fairness in educational programs, related activities and employment for minorities, women, disabled persons, disabled veterans and veterans of the Vietnam Era. The Affirmative Action Office is responsible for the administration and monitoring of Illinois State University's equal opportunity/affirmative action policies and procedures.

Concerns regarding this policy should be referred to the Affirmative Action Office, Illinois State University, Campus Box 1280, Normal, IL 61790-1280, phone (309) 438-3383 or TT/TDD (309) 438-2554. The Title IX Coordinator may be reached at the same address. The 504 and ADA Coordinator may be reached at 1290 Disability Concerns, 350 Fell Hall, phone (309) 438-5853 or TDD/TT (309) 438-8620.

Confidentiality of Student Records

In accordance with the Family Educational Rights and Privacy Act of 1974, Illinois State University students have the right to review, inspect, and challenge the accuracy of information kept in a cumulative file by the institution unless the student waives this right in writing. It also insures that records cannot be released in other than emergency situations without the written consent of the student except in the following situations:

1. to officials of other schools or school systems in which the student intends to enroll, upon condition that the student be notified of the transfer, receives a copy of the record if desired, and has an opportunity for a hearing to challenge the content of the record;
2. to authorized representatives of 1) the Comptroller General of the United States, 2) the Secretary of the Department of Education, 3) an administrative head of any educational agency, or 4) State educational authorities;
3. parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954. (The student will be notified of any such request by University personnel contacting the student and/or by sending a letter to local and home address);
4. organizations conducting studies for, or on behalf of educational agencies or institutions, provided the study is conducted

in a manner that does not permit personal identification of parents and students by individuals other than representatives of the organization and that the information is destroyed when no longer needed for the purposes for which the study was conducted;

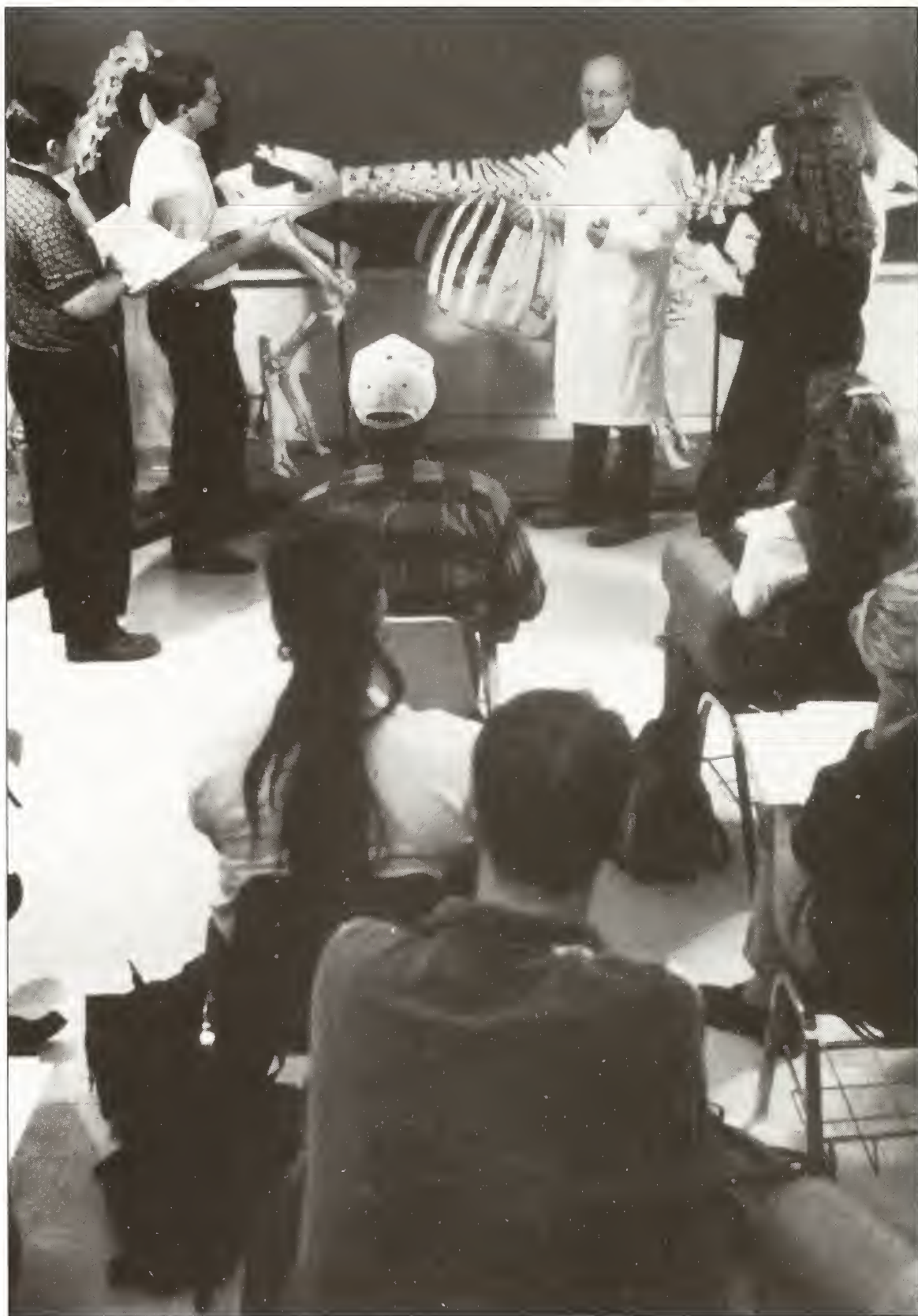
5. accrediting organizations to carry out their accrediting functions;
6. to comply with a judicial order or lawfully issued subpoena;
7. to other school officials, including faculty within the educational institution or local educational agency who have legitimate educational interests;
8. in connection with the student's application for, and receipt of, financial aid;
9. where the information is classified as directory information. The following categories of information have been designated by the University as directory information: name, address, telephone number, date and place of birth, photographic image, major, class, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance and course load status, candidacy for degree, degrees (including date awarded) and awards received, and the most recent previous educational agency or institution attended by the student. If you do not wish such information released without your consent, you should notify the Registration Office, 209 Julian Hall, Campus

- Box 2204, prior to the first day of classes;
10. disclosure is in connection with a health or safety emergency, under conditions described;
11. disclosure is to an alleged victim of any crime of violence as that term is defined in Section 16 of Title 18, United States Code.

Questions concerning this law and the University's policy concerning release of student information and the procedures for contesting the content of cumulative files may be directed to the University Legal Counsel, Hovey Hall 208, Campus Box 1010, (309) 438-8999.

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University Calendar, 1997-98

1997 Summer Session

May 19	Opening of summer session.
May 26	Memorial Day holiday.
June 6	Last day for undergraduate students to apply for graduation at end of summer session.
July 4	Independence Day holiday.
August 8	Summer session ends.

1997 Fall Semester

August 11-17	Registration and program change. Please see <i>Class Registration Directory</i> for specific registration schedule.
August 17	Last day to withdraw from classes with a full refund of tuition and fees.
August 18	Classes begin.
August 20	Last day for late registration.
August 20	Last day for program change.
September 1	Labor Day holiday.
September 19	Last day for undergraduate students to apply and pay fee for graduation in December.
September 19	Last day to withdraw or to remove credit/no-credit option from a full semester class.
October 10	First half of semester ends.
October 13	Second half of semester begins.
October 17	Fall break.
November 25	Thanksgiving vacation begins at 5:30 p.m.
December 1	Classes resume.
December 6	Last day of classes.
December 8-12	Evaluation and review period.
December 12	Semester ends.
December 13	One hundred thirty-eighth Commencement.
December 16	Grades due by 9:00 a.m.

1998 Spring Semester

January 5-11	Registration and program change. Please see <i>Class Registration Directory</i> for specific registration schedule.
January 11	Last day to withdraw from classes with a full refund of tuition and fees.
January 12	Classes begin.
January 14	Last day for late registration and course changes.
January 14	Last day for program change.
January 19	Martin Luther King, Jr. holiday.
February 13	Last day for undergraduate students to apply and pay fee for graduation in May.
February 13	Last day to withdraw or drop the credit/no-credit option from a full semester class.
March 7	First half semester ends. Spring vacation begins at noon.
March 16	Classes resume.
May 2	Last day of classes.
May 4-8	Evaluation and review period.
May 8	Semester ends.
May 9	One hundred thirty-ninth Commencement.
May 12	Grades due by 9:00 a.m.



INTRODUCTION

Board of Trustees

The Board of Trustees is the governing board for Illinois State University. Members of the Board are:

G. Thomas Andes, Belleville
 Jaime Flores, Chicago
 Nancy Froelich, Hudson
 Diane Glenn, Chicago
 Jack Huggins, East Peoria
 Carl E. Kasten, Carlinville
 William D. Sulaski, Bloomington, *Chair*
 One Student, non-voting member

University Administrative Officers

David A. Strand, *President*
 John K. Urice, *Vice President and Provost*
 Elizabeth A. Chapman, *Associate Provost*
 Robert D. Young, *Acting Associate Vice President, Research, and Dean of Graduate Studies*
 Alan E. Dillingham, *Associate Vice President, Instruction, and Dean of Undergraduate Studies*
 Sharon E. Stanford, *Associate Vice President, Academic Administrative Services*
 W. Laurance Quane, *Acting Dean, College of Applied Science and Technology*
 Paul T. Schollaert, *Dean, College of Arts and Sciences*
 Dixie L. Mills, *Dean, College of Business*
 Sally B. Pancrazio, *Dean, College of Education*
 Alvin Goldfarb, *Dean, College of Fine Arts*
 Cheryl A. Elzy, *Acting Dean of University Libraries*
 Charles A. Taylor, *Vice President for Business and Finance*
 Judith K. Riggs, *Vice President, Institutional Advancement, and Executive Director, Illinois State University Foundation*

Illinois State University Mission Statement

Illinois State University is a student-centered, multi-purpose institution committed to providing undergraduate and graduate programs which are of the highest quality in the State of Illinois. The central mission of the University is to expand the horizons of knowledge and culture among students, colleagues, and the general citizenry through teaching and research.

Illinois State University recognizes that teaching and research are mutually supportive activities. Therefore, while developing student potential through superior teaching is the first priority of the University, the promotion of research which is recognized at national and international levels is also a high priority. Illinois State University is committed to public service activities which complement the teaching and research interests of the faculty. The University is committed to expanding student involvement in learning through the provision of outstanding campus-life programs and activities. The goals of Illinois State University are to:

- provide the premier undergraduate education in Illinois;
- provide premier graduate education in selected areas;

- provide an academic atmosphere which nurtures intellectual activity within the University community;
- support research and creative activity which are recognized at national and international levels;
- engage in public service and economic development activities which complement the University's teaching and research functions;
- expand and strengthen graduate programs in areas which build on the strengths of undergraduate programs and/or which have a unique educational focus;
- provide opportunities for students to increase their capacity for inquiry, logical thinking, critical analysis, and synthesis and to apply these abilities in the pursuit of one's discipline;
- increase understanding of global and national interdependence and expand knowledge and understanding of other cultures in the context of a multicultural society;
- provide co-curricular activities, programs, and services that augment the formal education of students and maximize their involvement in the educational process;
- provide access and services for students from underrepresented groups and students with special talents;
- encourage academic diversity by supporting the unique missions and strengths of each of the colleges.

The University: Founded in 1857 as the first public institution of higher education in the state, Illinois State University has developed into a major multi-purpose university.

The University seeks to provide an atmosphere in which an excellent faculty interacts with capable students in and outside the classroom to produce educated citizens. In addition, the University recognizes that knowledge occurs not only in classrooms, laboratories, and libraries, but also in living units and in a rich profusion of social, recreational, and artistic activities that are provided for the students, faculty, staff, and community.

Accreditation: Illinois State University is accredited through the doctoral level by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools and by the National Council for Accreditation of Teacher Education. In addition, 18 programs hold discipline-based accreditation.

Campus: The tree-shaded campus of Illinois State University, covering 850 acres in Normal, is a study of varying architecture, ranging from the castle-like appearance of Cook Hall to the modernistic dominance of the 28-story twin Watterson Towers residence halls. Major classroom buildings are centrally located and are surrounded by the library and recreational, social, and residence structures. Most facilities are accessible to individuals with disabilities.

Library: The library building, completed in 1976, provides study space for 2,500 students. Each of the six floors of the library provides a variety of study areas—individual carrels, small tables, faculty studies, and lounge chairs—all located adjacent to books, periodicals, and other library materials.

These are arranged according to subject areas—the humanities, the social sciences, the sciences, and education-psychology on separate floors, where subject reference service and on-line and CD-ROM data base searches are also provided. A 110-unit personal computer study area is available for use on the main floor. A General Reference and Documents Area on the main floor open 24 hours from Monday through Thursday provides an initial contact reference service for students. However, students should familiarize themselves with the specialized services which are offered in the divisional areas by subject librarians.

The collections of the Library include 1,301,788 cataloged books and 396,620 U.S. Government publications, a total of 1,698,408 volumes. Many thousand additional publications are available in miniature via 1,882,332 pieces of microform. The Map Collection contains 461,841 maps and other cartographic items, and a collection of 26,503 recordings is available in the Media Resource Center on the sixth floor.

The media collections of the University are also located in the Media Resource Center on the sixth floor of Milner Library. These materials can be used at the Center's listening and viewing stations or faculty may reserve them for classroom use. Materials include video and audio tapes, slide tape programs, laser video discs, CD audio discs, and other media formats. The Media Resource Center also offers reference assistance and a videotape film scheduling service which assists in locating programs not in the University's collections.

The library provides access to other libraries throughout the country as a participant in OCLC and in Illinois through the Illinois Library Network and the Illinois Library Computer System. An Interlibrary Delivery System brings books from other libraries to the campus daily.

Residence Structures: The University includes high-rise buildings of 28-, 18-, 12-, and 10-story heights, as well as more traditional halls of only a few stories. Student apartments are located at Cardinal Court and at 300 Shelbourne Drive.

Additional University Facilities: Other University facilities include an 18-hole University golf course, a 350-acre University farm, recreational fields, and other open areas for student and public use. Illinois State also offers the community a 3,500-seat auditorium, a student center, and a recreation facility for bowling and other activities. Intercollegiate and intramural sports are frequently scheduled in Horton Field House and in Hancock Stadium with an astro-turf playing surface. The 10,600-seat Redbird Arena, completed in 1988, is used for many activities including concerts and athletic events. Adelaide Street Soccer Field, Redbird Baseball Field, and McCormick Softball Diamond and tennis courts are home for many outdoor athletic events.

Graduate School: The Graduate School offers master's degree programs in most fields in which undergraduate programs are available. Doctoral degree programs are available in Biological Sciences, Curriculum and Instruction, Educational Administration, English, History, Mathematics Education, School Psychology, and Special Education. Further information concerning graduate study at Illinois State University is available in the *Graduate Catalog* and in the Graduate School Office in Hovey Hall.

Academic Senate and Committees: The Academic Senate is the major governance body of the University. The Senate acts in legislative and advisory roles with regard to University policies involving faculty and students, academic programs and planning, and University concerns. Based upon the concept of shared governance, the 50-member Senate's elected representatives consist of 27 faculty members and 19 students, 3 Vice Presidents, and the President of the University.

Through the Academic Senate and its external committee system, students, faculty and administrators share in the study and development of policy. Students are encouraged to participate in the Senate-appointed committees and councils such as Academic Planning, Academic Standards, Athletic Council, Council for Teacher Education, Honors Council, Council on University Studies, Education, Entertainment, Library, Reinstatement, SCERB, University Curriculum. Students also participate as members of college and departmental councils and serve on search and ad hoc committees. Application forms for committees are available from the Academic Senate Office, Campus Box 1830, Hovey 208.

Semester Plan and Summer Session: The University is operated on the semester plan and provides, in addition to its fall and spring semesters, a summer session with courses of varying lengths, and a variety of short-term offerings. During the summer session, a student may register for one, two, three, or four credit-hour courses at the rate of one hour of credit per week. The summer *Class Registration Directory* may be obtained by writing to the Office of Admissions, Illinois State University, Campus Box 2200, Normal, IL 61790-2200. The schedule contains information on the cost, schedule of classes, and special features of the summer session, such as short courses and workshops.

Additional Summer Academic Opportunities: The University provides credit coursework during the summer. Courses are also offered off campus. Limited student teaching and internship positions are available during the summer session. Prospective students may obtain the summer *Class Registration Directory* by writing to the Office of Admissions, Illinois State University, Campus Box 2200, Normal, IL 61790-2200. This schedule lists courses, costs, and other information for the session. Summer session students should refer to the *Undergraduate Catalog* and *Graduate Catalog* for academic requirements.

Evening and Off-Campus Classes: In addition to courses offered during the regular school day, evening and weekend classes are scheduled both on campus and off campus. For courses offered by Illinois State University, no differentiation is made between credits earned on campus and off campus. Inquiries concerning off-campus classes should be directed to the Associate Provost, (309) 438-2922. Information about some of these extension credit course offerings is available in the *Class Registration Directory* published each semester. Non-credit workshops, seminars, and conferences are scheduled by the Illinois State Conferencing Unit (309) 438-2160.

Collegiate Organizations: Academic programs and courses are offered in 36 academic departments which are organized into the Colleges of Applied Science and Technology, Arts and Sciences, Business, Education, and Fine Arts. Undergraduate academic program and course offerings are listed in the *Undergraduate Catalog* according to the collegiate and departmental organization. University-wide program and course offerings are described separately.

ADMISSION

GENERAL INFORMATION

Prospective students may contact the Office of Admissions through a variety of sources.

Address: Illinois State University
Office of Admissions, Hovey Hall 201
Campus Box 2200
Normal, IL 61790-2200

Telephone: (309) 438-2181
(800) 366-2478, toll free nationwide
(309) 438-2006, TDD/TT

World Wide Web: <http://www.ilstu.edu/depts/admissions/>

The Office of Admissions is open from 8:00 a.m. until 4:30 p.m., Monday through Friday, and from 9:00 a.m. until noon on most Saturdays during the academic year.

Applications are available directly from the Office of Admissions or from a high school or community college counselor. Applicants who are not United States citizens should request an **international student application**. Prospective graduate students should request a **graduate application**. Applicants 25 years of age or older who are interested in the Adult Learner program should request an **adult learner application**.

Applicants may request admission for the fall semester, which begins in mid-August; for the spring semester, which begins in early January; or for the summer session, which begins in May.

APPLICATION FILING PROCEDURES

Term	Applications First Accepted
Fall Semester	September 1
Spring Semester	June 1
Summer Session	September 1

Applications are processed on a continuing basis, but the University may, in some cases, defer a final decision pending receipt of a final transcript. The University has established June 30 for completed applications and all supporting documents to be on file in the Admissions Office for fall semester applicants. Beginning freshman applicants must apply by May 1 in order to be guaranteed consideration for the fall term.

STUDENT CLASSIFICATIONS

The University has three classifications for new undergraduate students and admission criteria as described in the following section are specific to these three classifications:

1. **Beginning Freshman:** a person who has never registered at any college or university.
2. **Transfer:** a person who has enrolled at another college, whether or not any work was completed.
3. **Unclassified Undergraduate:** a person who desires to take classes at the University but does not have immediate plans to become a candidate for a degree.

ADMISSION REQUIREMENTS

Admission requirements are normally the same for all semesters or sessions. The admission decision is based on all aspects of a student's high school academic record and any previously-completed college credit. This includes high school course credits, high school class rank, standardized test scores and college coursework. Since admission into many programs is competitive, it may not be possible to admit all qualified applicants. Those applicants who meet minimal admission requirements will have their applications individually reviewed. Admission decisions are made as soon as possible, but may be delayed for those applicants whose credentials are individually reviewed or for those applying for majors which are competitive and highly selective.

Prospective Illinois State University students are expected to have a strong academic background. Reading, writing and mathematics are central to that background. Illinois State University, along with the Illinois Board of Higher Education, recommends that prospective students prepare for college by including four years of English, science, mathematics and social studies, along with two years of foreign language, in their high school program. The University urges prospective students planning to complete their first two years of study at a community college to earn the baccalaureate-oriented associates degree (A.A. or A.S.) before enrolling at Illinois State University.

While the University offers a wide range of support services to improve students' chances for academic success, it does not offer remedial assistance in mathematics, reading or composition. Students who believe that they have deficiencies in these basic skills are advised to enroll in appropriate preparatory courses elsewhere before enrolling at Illinois State University.

Academic departments at Illinois State are willing and available to supply prospective students with additional information about particular majors. Students or counselors with specific questions are encouraged to write or call the appropriate department chairperson.

Prospective beginning freshmen and transfer students with fewer than 30 hours must have ACT or SAT scores sent *directly* to the Office of Admissions. If the scores were not sent to Illinois State University at the time the test was taken, write the American College Testing Program (ACT, Box 168, Iowa City, IA 52243) or the Educational Testing Service (SAT, Educational Testing Service, Princeton, NJ 08541-0001) and request to have them sent to Illinois State University. Upon request, special testing arrangements will be made for prospective students with disabilities.

Permanent residents with less than one year of residence in the United States may be required to submit official Test of English as a Foreign Language (TOEFL) scores.

Admission to the University does not guarantee housing in on-campus residence halls. The Office of Residential Life will mail housing applications to students who have been admitted to the University.

Beginning Freshmen: It is the policy of Illinois State University to admit the best qualified applicants. Applications of all students are carefully reviewed. As stated previously, since admission into many programs is competitive, it may not be possible to admit all qualified applicants, but priority consideration for admission will be granted to applicants who meet the following conditions:

- Graduation from an accredited high school, a school recognized by the Illinois State Superintendent of Education, or a General Equivalency Degree (GED) certificate,
- Successful completion of the course specific admission requirements as approved by the Academic Senate of Illinois State University, in accordance with the minimum standards established by the Illinois Board of Higher Education and modified by Public Act 86-0954. The course specific admission requirements include:
 - a) four years of English, emphasizing written and oral communication and literature; **and**
 - b) three years of college preparatory mathematics, composed of Algebra I, geometry, and Algebra II - trigonometry; **and**
 - c) two years of social studies, emphasizing history and government; **and**
 - d) two years of laboratory science, selected primarily from biology, chemistry and physics; **and**
 - e) two years of one foreign language *or* fine arts selected primarily from art, music, theatre or dance; **and**
 - f) two years of electives, including course work in any two of the four categories above (excluding English) and/or courses in vocational education and fundamentals of computing.
- A qualifying high school percentile rank and admission test score which fall into one of the following categories:

75th - 99th percentile	Eligible with any test score
50th - 74th percentile	17 or above ACT <u>or</u> 810 or above SAT
25th - 49th percentile	23 or above ACT <u>or</u> 1050 or above SAT

NOTE: Students whose high school percentile rank and admission test scores do not place them in one of the categories as stated above may have their applications undergo a special individual review. Specifically, those who meet all course specific requirements (as listed above), rank in the 33rd - 49th percentile, and possess ACT composite scores of 20, 21, or 22 (or equivalent SAT scores) may be considered for admission. Factors in this review will include, but are not limited to, the following: choice of academic major, pattern of performance in high school core courses, background statement written by the student and letter(s) of recommendation.

The background statement is a part of the admission application and should be completed by all applicants who must be afforded special consideration. It must be evident that students offered the opportunity for admission have a strong academic background and show the willingness to seek support services in order to demonstrate the ability to succeed at Illinois State.

These are **minimum** requirements for admission to the University. Prospective applicants to Illinois State University are advised to pursue a rigorous college preparatory program while in high school, including coursework beyond the minimum in fields that they may be considering for advanced study in a university. For example, students who think they may want to study science, industrial technology, or mathematics, among other fields, should take additional courses in mathematics and laboratory science in high school.

In the event that an applicant has a deficiency in the course-specific requirements, the University will consider college coursework as alternate evidence for the mastery of the knowledge and skills in the area of the deficiency. Please note that no deficiencies are allowed in the areas of English and mathematics, and only one deficiency in total in the other subject areas.

General Equivalency Degree (GED) applicants are required to post a minimum composite score of 23 on the ACT (1050 or above on SAT) and submit official GED test results.

Transfer Students: You will qualify for regular admission as a transfer student if you meet any of the following conditions:

- Graduation from an Illinois community college with a baccalaureate-oriented associates degree (A.A. or A.S.) provided Illinois State is the first school of attendance after graduation. The University, in agreement with these colleges, allows a student to be admitted to Illinois State with junior standing and with all University Studies (General Education) requirements completed. A transfer student who completes the Illinois Transferable General Education Core Curriculum (as part of the Illinois Articulation Initiative) at an accredited participating Illinois college or university will be considered to have met University Studies requirements at Illinois State University. All other students must meet the minimum requirements for each group in the University Studies Program - a total of 48 hours exclusive of courses in a student's major department.
- Completion of 30 or more semester hours of transfer credit from accredited colleges and universities with an overall "C" average (2.0 on a 4.0 scale or the equivalent) for all grades in all college courses at all schools attended; verification of good academic standing at the last school attended; and evidence of competence in English language and computation skills. These skills may be demonstrated by high school courses (successful completion of three years of English and one year of standard algebra), by appropriate college courses in composition and mathematics, or by completion of the baccalaureate-oriented A.A. or A.S. degree.
- Completion of fewer than 30 semester hours of transfer credit from accredited colleges and universities with an overall "C" average (2.0/4.0) computed as above; verification of good academic standing as above; and evidence that all requirements for "Beginning Freshmen" are met.

NOTE: As a transfer student, you must submit official transcripts sent directly from **all** colleges and universities attended. If you have fewer than 30 semester hours of credit, you must also submit high school transcripts and ACT or SAT scores. Completed applications and all supporting documents must be on file in the Admissions Office by June 30 for fall semester applicants. Withholding information or giving false information to the University may make you ineligible for admission to the University or subject to dismissal.

The University Registrar will provide admitted transfer students with a statement specifying how the transferred credit may be used to meet curricular requirements at Illinois State. Transfer credit from two-year colleges is limited to 66 semester hours plus a maximum of four semester hours of physical education activity courses. Additional credit for military service is also possible. Transfer credit from four-year colleges is limited to 90 semester hours.

SPECIAL CATEGORIES

Unclassified Students: Individuals desiring to take a class or classes in the University without working toward any degree may be admitted as Unclassified Students. In general, they must have been out of high school for at least two years and must submit the necessary transcripts and test scores (summer visitors excepted). Applicants will also be required to provide evidence showing prerequisite background for the course(s) desired. Unclassified Students must maintain the same standard of performance as degree-seeking students. Unclassified Students who wish to become candidates for a degree at some later time must meet published requirements for admission into the desired program. Students who hold a baccalaureate degree from a regionally-accredited college or university are not eligible for the unclassified undergraduate status. They must apply as a graduate Student-at-Large.

Summer Visitors: Students currently enrolled at another college or university, who plan to continue there, may attend a summer session at Illinois State University by submitting an application and an official statement of good standing in lieu of transcripts and test scores. A statement of good standing must be issued by the registrar or academic dean in charge of records. Students entering Illinois State in this manner are admitted as Unclassified Students. Please note that submission of official transcripts may be necessary for placement into some courses.

Registered Nurses: RNs will be admitted to the University and granted 60 semester hours of transfer work if they have graduated from a diploma nursing program with a 2.5 grade point average on a 4.0 point scale or from an accredited associate degree program with a 2.0. To earn a baccalaureate degree, students must complete University Studies and the major requirements for any program they choose and for which they qualify. Information about the Pre-nursing program is addressed in the section on "Preparation for Graduate and Professional Study."

Readmitted Students: Students wishing to return to Illinois State after being away for one or more semesters must apply for readmission. Readmission for a particular term cannot be guaranteed if the application is received less than two weeks prior to the beginning of classes.

Students who have been academically dismissed from Illinois State for poor scholarship must be reinstated by the University Reinstatement Committee *before* applying for readmission. Students who have extenuating circumstances that may qualify them for reinstatement should write a letter of explanation to the University Reinstatement Committee, Office of Undergraduate Instruction, 308 Hovey Hall, Campus Box 4000, Fax (309) 438-8247. *Readmission* applications may be obtained from the Office of Admissions, 201 Hovey Hall, Campus Box 2200.

Students who have been absent from the University for one or more semesters and who have, in the meantime, attended any other higher educational institution must indicate such attendance on the readmission application and supply an official transcript from the other school(s).

Students must have earned a "C" average (2.0/4.0) or higher for all coursework taken since last attending Illinois State and have been in good academic standing at the last institution attended as a full or part-time student. Readmitted students should consult the section on Undergraduate Catalog Requirements to determine which catalog should be used to determine graduation requirements. **NOTE:** Students must be reinstated and meet readmission requirements in order to re-enroll.

Program Specific Admission Criteria: Certain areas of study may be subject to higher admission qualifications when more students apply to that area than may be admitted, or when it is determined that certain disciplines must become more selective. The University announces each fall the majors for which admission is extraordinarily selective and the supplemental admission criteria required for admission to those majors. Announcements are distributed to high school and community college counselors. Information about supplemental criteria is provided to applicants at time of application for admission, or applicants can call the Admissions Office for information.

Special Admission Programs: The University may admit a limited number of applicants with special characteristics and abilities who show the potential for success in collegiate work but who do not meet all the regular admission requirements. The special admission programs are as follows:

1. *Talent Program:* Applicants who demonstrate an outstanding talent in art, music, theatre, or athletics.
2. *Early Admit Program:* Applicants who can benefit from college-level work prior to graduation from high school on a full-time or part-time (concurrent with high school attendance) basis.
3. *Collegiate Opportunities Admission Program:* Applicants must be new beginning freshmen, have a minimum composite score on the ACT, as specified by the Admissions Office, and exhibit proficiency on diagnostic entrance exams. COAP is offered only in the fall semester. Students who are economically and/or educationally disadvantaged and can benefit from college-level work if intensive support services are provided are encouraged to apply.
4. *Veterans' Program:* Applicants who were Illinois residents at the time of entrance into the Armed Forces, who present a discharge for other than dishonorable reasons showing completion of at least a one-year active tour of duty in the Armed Forces and whose first attendance at a college or university after discharge is at Illinois State.
5. *Adult Learner Program:* All persons 25 years of age or older prior to the first day of class for any given semester may apply as an Adult Learner. Freshmen may be admitted without presenting ACT or SAT scores and without proof of high school diploma and/or GED. Transfer students may be admitted without submitting transcripts from schools previously attended if they have not been in attendance at a college or university two years prior to the semester for which they have applied. If attendance has been within two years, a transcript showing "Good Standing" must be provided. Adult Learners who, at some later time, wish to become candidates for a degree must complete 12 semester hours with a 2.0/4.0 grade point average at Illinois State or must submit transcripts of all previous college work. An adult learner application must be completed for admission.

Inquiries regarding these programs should be sent to the Office of Admissions, 201 Hovey Hall, Illinois State University, Campus Box 2200, Normal, IL 61790-2200, and should specify the particular program of interest.

INTERNATIONAL STUDENT ADMISSION

Application Deadlines: International students may apply for admission in general accordance with procedures for native applicants. Filing deadlines for international student applications are: May 15 for the fall semester, October 15 for the spring semester, and April 1 for the summer session.

Materials and Procedures: In addition to the completed application, the following materials are required:

1. Official academic records verified with seals and signatures and sent directly from the school or examinations council.
2. Official Test of English as a Foreign Language (TOEFL) score report sent directly from Educational Testing Service in Princeton, New Jersey. Conditional admission for future completion of the TOEFL requirement is not available. Applicants whose native language is English are exempted from the requirement.
3. Financial Statement showing sources and amounts of support for the first year and projected support for the length of the program.
4. Financial proof showing official documentation of the amounts entered on the Financial Statement.
5. Verification of a medical test with results indicating freedom from tuberculosis.

Upon receipt of all necessary materials, the Office of Admissions will review the application file, reach an admission decision, and send a Certificate of Eligibility for Nonimmigrant (F-1) Student Status with the notification of acceptance.

During orientation week, new international students' written communication skills will be evaluated. The University will administer a test for placement in English 101, Language and Composition, a course required of all Illinois State students. Testing for other skills may be administered to determine placement in a sequence or course of the student's choice.

Eligibility: International students who meet all of the following criteria are eligible to apply for undergraduate admission:

1. Earned the equivalent of a U.S. high school diploma from an international institution of secondary or high school level, or will do so within one academic year of application.
2. Show academic achievement equal to a U.S. grade point average of "C" or better (2.0 on a 4.0 scale).
3. Earned a total score of at least 550 on the Test Of English as a Foreign Language (TOEFL). International students attending U.S. high schools may substitute ACT or SAT scores and class rank, as described for U.S. applicants.

International students who meet all of the following criteria are eligible to apply as undergraduate transfer students:

1. Earned credit at a recognized international or accredited U.S. institution of higher education or will do so within one year of application.
2. Show academic achievement equal to U.S. grade point average of "C" or better (2.0 on a 4.0 scale). **NOTE:** Some departments have higher than the minimum standard for transfer admission. Refer to *Undergraduate Catalog* descriptions of majors.
3. Earned a score of at least 550 on the Test Of English as a Foreign Language (TOEFL). This requirement is waived for students who acquire 60 hours while attending a college or university located in the U.S.

IMMUNIZATION/MEDICAL REQUIREMENTS

All students admitted to Illinois State University are required, by Public Act 85-1315 to provide proof of immunity for tetanus, diphtheria, measles, mumps, and rubella. **Documentation of immunity must be complete and on file in the Student Health Service within the first 15 calendar days of the entering semester.** Proof of immunity must include a tetanus/diphtheria booster within 10 years of attendance at Illinois State University; two measles immunizations, both after one year of age and after December 31, 1968; one mumps immunization after one year of age and after December 31, 1967; one rubella immunization after one year of age and after December 31, 1968. **All immunization dates must be signed/certified by a physician or public health official.** Immunization dates and certification can be documented on the Health History Report that is also required to be on file with the Student Health Service. Please note that a physical examination is not required. International students are required by University regulations to also provide proof of freedom from tubercular disease. The Student Health Service strongly recommends that all students have a TB-mantoux skin test within the year prior to attending the University, and also strongly encourages immunization against Hepatitis B which is a series of three injections.

Information and instructions for meeting the above requirements are included with the Illinois State University Health History Report Form which is mailed to all incoming students. The Student Health Service recommends completion of the immunization information as soon as possible and no later than the first day of the month in which classes begin. Students not in compliance with the immunization requirements by the 15th calendar day of their entering semester will have subsequent semester registrations blocked and be assessed a \$25 administrative compliance fee. Further information can be obtained by calling the Student Health Service Preventive Medicine Clinic at (309) 438-8560.



COSTS AND FINANCIAL INFORMATION

UNDERGRADUATE TUITION AND FEES

Tuition rates for 1997-98 have been approved as listed below, however, they are subject to change by action of the Board of Trustees. Fees other than health insurance are assessed at a per semester hour rate through the first 12 hours. Health insurance is assessed to all students enrolled in nine or more semester hours. Tuition is assessed at per semester hour rates through the first 16 hours. A student who registers for 12 or more semester hours is considered a full-time student.

Rate Schedule 1997-98

	Residents	Non-Residents
Tuition:	98.40	295.20
Fees per semester hour:		
General Activity	4.04	
Athletic and Service	8.10	
Bone Student Center	5.29	
Recreation/Athletic Facilities	3.12	
Redbird Arena	4.54	
Health Service	4.86	
Student-to-Student Grant	0.37	
Grant-in-Aid	0.15	
Health Insurance (9 or more sem hrs)	88.00	88.00
Examples:		
3 semester hours	403.35	999.75
6 sem hrs	806.70	1,999.50
9 sem hrs	1,298.05	3,087.25
12 sem hrs	1,701.40	4,087.00
16 or more sem hrs	2,099.00	5,279.80

Special Fees:

Registration Installment Fee.....	\$25
Bachelor's Degree Graduation Fee.....	\$20
Late Registration and/or Late Payment	
Fee (after scheduled dates)	\$25

Audit Costs: Students taking only audit courses (courses without credit) are charged tuition at the rates shown above to a maximum of 16 hours.

Residents and Non-Residents: A student under 18 years of age is a non-resident if that student's parents are not legal residents of Illinois. A student over 18 years of age is a non-resident if the student is not a legal resident of Illinois at the time of registration. Personnel within Academic Records and Course Registration Services are responsible for determining residency.

Transcripts are issued only after all student obligations have been met. A student needing a transcript should make a written, signed request to the Records Office. A \$6.00 (fee subject to change) charge is made for each official transcript. Requests should include identification number, birthdate, and complete address, including zipcode, to which the transcript is to be sent. All transcripts will be mailed. When possible, transcript requests are processed within five working days.

Materials Charges: A materials charge is an optional fee charged to a student for consumable materials used in a course. A student may supply his or her own material and submit a written request to the instructor to waive the charge. Charges are listed under course offerings in the *Undergraduate Catalog*, *Graduate Catalog*, and *Class Registration Directory*.

Refund Policy: A registered student who officially withdraws from the University may receive a reduction of tuition and fees, including any advance deposit according to the following schedule:

1. If withdrawal is prior to the first regularly scheduled class day, all tuition and fees are deleted.
2. If withdrawal is within the first 15 calendar days after the first regularly scheduled class day, all tuition and fees minus a service charge of \$30 are refunded.
3. If withdrawal is after the 15th calendar day but within the sixty percent point in time of the period of enrollment - a refund equal to the portion of the period of enrollment remaining, rounded downward to the nearest ten percent, less an administrative fee not to exceed the lesser of five percent of the initial tuition, fees, and other charges assessed the student or \$100.
4. If withdrawal is after the sixty percent point in time of the period of enrollment - no refund shall be made.

The University may designate shorter refund periods for summer session, special courses, and short courses.

All notifications of withdrawal or cancellation and requests for refunds must be in writing and addressed to Academic Records and Course Registration Services, Illinois State University, Campus Box 2204, Normal, IL 61790-2204.

A student who changes from full-time to part-time status or a part-time student who reduces the number of credit hours carried may receive a reduction of tuition and fees according to the following schedule:

1. If the reduction is on or before the 15th calendar day after the first regularly scheduled class day, all tuition and fees not applicable to the new part-time status are reduced. A service charge is not applicable to a student who changes from full-time to part-time status.
2. If the reduction is after the 15th but no later than the 30th calendar day after the first regularly scheduled class day, 25 percent of the difference in tuition charge only is reduced.

A student may receive a refund of insurance fees if the student demonstrates equal or better insurance coverage and completes the written application on or before the 15th calendar day after the first regularly scheduled class day.

A student whose course of study requires absence from campus for the entire term shall, upon proper application, receive refund of Activity, Health Service, and Athletic fees. The application for such refund must be made to the Registration Office on or before the 15th calendar day after the first regularly scheduled class day.

Pursuant to guidelines established by the University, part or all of a student's tuition and fees may be refunded because of the student's death or disability, extreme hardship, or institutional error.

A student may receive a refund of tuition and fees if a scholarship is awarded that covers those fees. The application for refund must be made no later than 60 days after the close of the session.

A student may receive a refund of tuition and fees if the University declares him or her ineligible for enrolled status prior to the first day of regularly scheduled class.

The statement of the refund policy for University housing is a part of the housing contract.

Examples of the application of the refund policy may be obtained from the Student Accounts Office.

Students or parents who believe that individual circumstances warrant exceptions from published policy may appeal to the Associate Vice President for Student Affairs.

Housing Costs: The room and board rate in the residence halls for the 1997-98 academic year is \$3,840 for multiple occupancy and meal plan 2. A limited number of singles and super singles are available at an additional cost. Two apartment complexes are available for qualifying upper-class, married, graduate, and family students. Rental rates for 1997-98 range from \$224 to \$318 per month. For further information, contact the Office of Residential Life (see Residential Life).

Estimated Total Yearly Expenses: Because Illinois State University is a state-supported institution, the cost of attendance is relatively low. The **estimated** total cost of attendance for the 1996-97 academic year (fall semester and spring semester) was \$10,800 for a student who is an Illinois resident registered for 15 hours each semester and living in a University residence hall. This amount includes \$7,485 for tuition, fees, room and board, and an additional \$3,315 for books and supplies, transportation, and personal expenses. Estimated expenses for married students or students with dependents vary according to family size. Out-of-state residents pay higher tuition charges and normally spend more on travel. Tuition, fees, and on-campus housing charges are **subject to change** by action of the Board of Trustees. **All other amounts are estimates and are subject to change.**



Financial Assistance

FINANCIAL AID OFFICE

231 Fell Hall, (309) 438-2231

The Financial Aid Office annually administers and coordinates more than 70 million dollars in aid to nearly 75 percent of the student population at Illinois State University. These funds are awarded to eligible applicants. Office hours are 8:00 a.m. to 4:30 p.m. for telephone service. Client Relations Representatives see students on an appointment or walk-in basis from 9:00 a.m. to 4:00 p.m. Monday through Friday. Client Relations Representatives can provide individual assistance to students and their families regarding available types of aid, eligibility requirements, application procedures, need determination, part-time employment, money management, and related matters.

All financial aid is coordinated through the Financial Aid Office. Three types of financial assistance are available through federal, state, University, and private sources: 1) grants and scholarships, 2) part-time employment, and 3) loans.

Scholarship, grant, and loan checks issued by Illinois State are automatically credited or restricted to pay outstanding University charges, including registration and housing charges. Students interested in receiving financial aid are encouraged to complete necessary application before the preferential filing date of March 1, 1997.

To qualify for federal or state financial aid programs, an applicant must:

1. Be a citizen of the U.S. or a permanent resident;
2. Demonstrate financial need as determined by a need analysis method approved by the U.S. Department of Education (except for the Federal Direct Unsubsidized Loan and the Federal Direct PLUS Loan);
3. Be enrolled as at least a half-time student (6 hours) in a degree-seeking program (i.e., classified). Students not pursuing a degree (i.e., unclassified) are not eligible for any type of federal or state financial aid;
4. Not be in default on a Perkins Loan (formerly National Direct Student Loan) or any guaranteed/federally insured student loan (GSL, PLUS, ALAS, SLS) approved by a guaranty agency;
5. Not owe a repayment to a grant program;
6. Make satisfactory progress toward a degree as defined by Illinois State University (see Satisfactory Progress Requirements);
7. Be registered with Selective Service if the student is a male, at least 18 years of age, born after December 31, 1959, and not a current member of the active armed forces;
8. Not have been convicted of drug possession or distribution.

NOTE: A student may not receive federal or state financial aid from more than one institution at the same time.

For further information, students may refer to the *Illinois State University Financial Aid Information Guide* or contact the Financial Aid Office.

Application Procedures: To be considered for financial aid at Illinois State University, students are required to obtain, complete, and submit the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA as soon as possible after January 1, 1997. The priority filing date for the FAFSA is **March 1, 1997**. Applications received after that date will be processed as staff time allows and awards will be made as long as program funds are available.

Income and asset information generated by filing the FAFSA is used to determine the applicant's eligibility for assistance. List Illinois State University as your first school choice. Our title IV school code is 001692. The Department of Education releases your FAFSA data to the state agency so you will be considered for state grant assistance. There is no separate institutional financial aid application for 1997-98 applicants.

Read the instructions carefully. Complete the application accurately, using information from *actual completed tax returns*. Discrepancies in data will delay awarding and disbursement of financial aid. Limited funds, late application, or discrepant information in the application may keep an applicant from receiving aid.

Beginning in February, first-time applicants will receive an Award Letter showing *estimated* awards for the 1997-98 academic year. These estimated awards will be based on unverified data and will be revised appropriately once the data supplied by the applicant is verified. Award letters indicating *actual* awards will be mailed beginning May 1.

In an effort to provide improved service to students, the Financial Aid Office is participating in the Institutional Quality Assurance Program (IQAP). The IQAP project is an initiative of the U.S. Department of Education. As a result, a small number of applicants may be requested to provide additional documentation to verify their application data.

Satisfactory Progress Requirements

1. Illinois State University requires satisfactory progress toward a degree as an eligibility requirement for financial assistance.
2. The amount of any financial aid award is based on a number of factors, including the number of hours for which the student is enrolled at the time funds are disbursed.
3. For purposes of these requirements, academic term is defined to include the summer session, or the spring, and/or fall semesters.
4. A student must have *earned hours* (A) equal to at least 75 percent of the total *hours attempted* at his or her current degree level (i.e., undergraduate and graduate credits cannot be combined) to be considered eligible for aid in the succeeding term. *New students* (B) will be given an adjustment period; if a new student does not earn 75 percent of the *hours attempted* (C) the student will be considered on probation but aid will not be withdrawn.
5. A student's eligibility is terminated at the point when *total hours attempted* (C) equal 180 for the bachelor's degree.
6. These requirements apply to all students receiving University administered financial aid funds during any academic term. Categorical exceptions approved by the Provost will be handled by the appeal process.
7. Prior to the beginning of each academic term, financial aid personnel will review the eligibility of applicants. Those in violation of these requirements will be notified in writing of their eligibility status.

8. Reinstatement is available automatically by earning additional hours at Illinois State to meet the 75 percent standard, or by appeal. The appeal procedure must be initiated by the student by obtaining a Satisfactory Progress Appeal Petition from the Financial Aid Office and returning the completed form with documentation to that office *prior* to the tenth day of classes of the next academic term for which the student will be enrolled.

NOTE: Students should consult the appropriate section of this *Undergraduate Catalog* for academic and graduation requirements.

Definitions: The following definitions apply to the requirements previously outlined and are referenced to the appropriate section.

- A. For undergraduates, *earned hours* are the sum of hours for which the student has earned a grade of A, B, C, D, CR, or CT (including repeats). Withdrawals, incompletes, audits, and failures are not earned hours.
- B. *New student* is defined as a freshman with 0-20 hours attempted at Illinois State.
- C. *Hours attempted* are the sum of the hours for all Illinois State University courses for which registration charges were incurred. Transfer hours will be included in hours attempted.

Repayments and Refunds: Federal law requires that the University refund to a student who is attending the institution for the first time and who officially withdraws from the University prior to the 60 percent point in time in the period of enrollment for which the student has been charged, not less than that portion of tuition, fees, room and board, and any other charges assessed that remain on the last recorded day of attendance, rounded downward to the nearest ten percent, less any unpaid charges, and less an administrative fee not to exceed five percent of the tuition, fees, room and board and other charges, or \$100, whichever is less.

A registered student who officially withdraws from the University may receive a reduction of tuition, fees, room and board according to the University refund stipulations. If the reduction produces a credit balance in the student's account, the Financial Aid Office will determine if the student received any title IV aid funds. If the student received any title IV aid funds, the credit balance will be used to restore funds to title IV program accounts in the following order: Federal Direct Loan, Unsubsidized Federal Direct Loan, Federal Direct PLUS Loan, Federal Pell Grant, Federal SEOG, Federal Work-Study. If the student did not receive any title IV aid funds, the credit balance will be restored or refunded in the following order: state aid funds, institutional aid funds, private aid funds, the student.

For summer session, the above guidelines will be applied in a corresponding manner to determine the amount of repayment to financial aid funds due to withdrawal.

Regardless of the amount of repayment, a student withdrawing from a class at any point in the term may violate the Satisfactory Progress Requirements and become ineligible to receive future aid. For determining student status, refer to the Satisfactory Progress Requirements.

Unclassified Students: Unclassified Students are defined as those students not enrolled in a specific undergraduate degree program. Federal regulations specify that financial aid cannot be awarded to unclassified students. (The operation of this regulation may be appealed on a *one time* basis for assistance in the form of a Federal Direct Loan only.)

Confidentiality and the Release of Information: The Financial Aid Office will release information about the financial status of a student to those parties within the University concerned with financial welfare as related to the student's attendance at Illinois State University. Inquiries from off-campus agencies and/or landlords will be answered by Financial Aid staff only if the student has completed, in advance, a "Consent to Release Information" form available in the Financial Aid Office. To protect the confidentiality of the student's records, the Financial Aid Office will request proper identification in person before releasing any information concerning the student's financial aid status.

FEDERAL GRANTS AND BENEFITS

Federal Supplemental Educational Opportunity Grant (FSEOG): This program provides grants for undergraduates with exceptional financial need. Awards may range from \$100 to \$4,000; however, funding limitations restrict the average award at Illinois State University to about \$1,000 per academic year.

Federal Pell Grant: This program provides federal financial assistance in the form of grants to undergraduate students who demonstrate need. Students will receive a Student Aid Report (SAR) four to six weeks after completing a need analysis application. Students should review all information on the SAR. If there are omissions or errors, follow the instructions on the SAR for making corrections. If you return any part of the SAR to the FAFSA processor, retain a photocopy of the part returned, with the additions or corrections, for your own records. Refer to the Application Procedure to be considered for a Pell Grant at Illinois State University.

Department of Rehabilitation Services: Under Public Law 113, the federal and state governments jointly provide rehabilitation services to any disabled individual to enable the person to engage in a remunerative occupation. These services may include a financial grant that covers all or part of the tuition and fees and/or the student's maintenance costs. For detailed information and assistance in making application for State Rehabilitation Services Assistance, write to the Department of Rehabilitation Services, 623 E. Adams Street, P.O. Box 19429, Springfield, IL 62794-9429.

Veterans' G.I. Bill: Contact the Illinois State University Veteran's Affairs Office, 209 Julian Hall, for details.

Survivors' and Dependents' G.I. Bill: Children and spouses or survivors of veterans whose deaths or permanent total disabilities were service-connected in the Armed Forces after the beginning of the Spanish-American War may be eligible for benefits. Children of servicemen or servicewomen missing in action or prisoners of war for more than 90 days are also eligible. Contact the Illinois State University Veterans Affairs Office, 209 Julian Hall, for details.

STATE SCHOLARSHIPS AND GRANTS

Some state scholarships may be used by students enrolled for classes on or off campus; others are restricted to persons enrolled on campus only. Students who do not intend to be enrolled for consecutive semesters may need to file for a leave of absence or reapply annually. Contact the Financial Aid Office for further instructions.

Illinois Student Assistance Commission (ISAC) Monetary Award Program: The ISAC Monetary Award Program offers tuition and fee grants based on financial need to undergraduate students enrolled on campus. The applicant must meet eligibility criteria as determined by the rules of ISAC.

Applicants for the Illinois Student Assistance Commission Monetary Award (ISAC) must release information to the state agency on the need analysis form they complete (refer to Application Procedures).

Illinois National Guard Grant: Any enlisted person who is actively serving in either the Illinois Army or Air National Guard or Illinois Naval Militia and who meets the following requirements may participate in the college scholarship program: (1) The applicant must fulfill all necessary college or University entrance requirements. (2) The applicant must submit an annual application to the Illinois Student Assistance Commission (ISAC) for the scholarship and supply proper proof of eligibility (eligible applicants receive an entitlement letter that must be presented to the institution for authorization of tuition and fees covered under this program). If the applicant ceases to be a member of the Illinois National Guard or Naval Militia, the educational benefits will be terminated as of the militia termination date. Contact the Financial Aid Office for further information.

Illinois Veteran Grant: A veteran who was a resident of Illinois both before and after one year or more of active duty, and received other than a dishonorable discharge, may qualify for the Illinois Veteran Grant. All veterans applying for the IVG must complete the Illinois Veteran Grant Application and submit it with a photocopy of their DD214 to the Illinois Student Assistance Commission. A grant letter with an identification number will be issued and must be presented to the Financial Aid Office.

State Special Education Scholarships: The State Special Education Scholarships are made available by legislative enactment to selected high school graduates who agree to take courses that will prepare them to teach the disabled. To be eligible, a student must be in the upper half of his or her high school graduating class. The scholarship is valid for not more than four years of attendance within a six-year period. This scholarship carries an obligation to teach in Illinois two of five years following graduation. If this obligation is not fulfilled, the total amount received must be repaid to the State of Illinois, with interest at the rate of five percent. Interested persons should contact the Superintendent of their Regional Office of Education about this scholarship which covers tuition and activity fees for each semester and summer session.

Merit Recognition Scholarship (MRS): This program is available to applicants in the top five percent of each Illinois high school graduating class. An award of up to \$1,000 is given to those students nominated by their high school counselor. The application sent from ISAC to the student must be submitted to the Financial Aid Office. Recipients must enroll for at least six hours for two terms each academic year, plus receive a 2.5 GPA, to qualify for the one-year non-renewable award.

General Assembly Scholarships: General Assembly Scholarships that cover tuition and activity fee charges are usually awarded one year at a time. Interested students should contact their State Representative or Senator. A competitive examination may be given to determine eligibility. The student must be a resident of the district from which he or she hopes to obtain the scholarship.

SCHOLARSHIPS FOR TALENTED STUDENTS

Presidential Scholars' Program and Scholarships: The Presidential Scholars' Program is a rigorous curriculum option with a public service component. The Program is made available to the most academically talented undergraduate students at Illinois State University who are identified as Presidential

Scholars. Each Presidential Scholar receives a monetary award in the amount of \$6,000 which is annually renewable for up to eight semesters. Recipients of these awards are selected by the University Scholarship Committee on the basis of academic achievement, including high school academic record and score on college admissions tests (ACT/SAT), demonstrated leadership qualities, and evidence of commitment to service. Presidential Scholars are identified without regard to financial need.

To be considered for the Presidential Scholars' Program and Scholarships, interested students must submit a Presidential Scholarship Application by January 1. For more information about the Presidential Scholars' Program and Scholarships, please contact the University Scholarship Committee, Office of the Provost, Illinois State University, Campus Box 4000, Normal, IL 61790-4000.

Provost's Scholarships: Candidates for Provost's Scholarships are identified from the Presidential Scholarship applicant pool. The Provost's Scholarship is a \$1,000 annual award that may be renewed for a total of four years. For more information about the Provost's Scholarships, please contact the University Scholarship Committee, Office of the Provost, Illinois State University, Campus Box 4000, Normal, IL 61790-4000.

Deans' Scholarships: Candidates for the Deans' Scholarship are identified from the pool of applicants for the Presidential Scholarships. The Dean's Scholarship is a one-time monetary award in the amount of \$1,000. Within each of the five undergraduate colleges at Illinois State University, two Deans' Scholarships are awarded annually to first time new freshmen. For additional information about the Deans' Scholarships, please contact the University Scholarship Committee, Office of the Provost, Illinois State University, Campus Box 4000, Normal, IL 61790-4000.

Illinois State University Foundation Scholarships: Students who enter the Presidential Scholars competition but do not receive any of the above awards are automatically considered for the Illinois State University Foundation Scholarships. The Foundation Scholarships are one-time monetary awards in the amount of \$500 each and are awarded annually to first time new freshmen.

21st Century Leadership Scholars Program: 21st Century Leadership Scholarships are awarded to minority students and those from educationally disadvantaged backgrounds. To be considered, students must rank in the top 25 percent of their high school graduation class and have demonstrated leadership in one or more of the areas of academics, student government, athletics, high school clubs and organizations, and community service. The student's academic performance is important in the selection process. Factors which will be considered include: rank in class, grade point average, completion of high school core courses, ACT or SAT results, and trends of improvement in year-to-year academic performance. Scholarships are awarded only to new beginning freshmen and are based upon academic merit and potential for outstanding achievement in college; they are not based upon financial need. For additional information about the 21st Century Leadership Scholars Program, please contact the University Scholarship Committee, Office of the Provost, Illinois State University, Campus Box 4000, Normal, IL 61790-4000.

Community College Foundation Scholarship Program: This program provides merit-based renewable and non-renewable awards ranging from \$500 to \$2000 for outstanding transfer students and is based on academic achievement and completion of a baccalaureate-oriented associate degree in arts or sciences. One award is reserved specifically for a member of Phi Theta Kappa. Application is by invitation in early January. These awards are not based upon financial need. For more information about the Community College Foundation Scholarship Program, please contact the Office of Admissions.

Trustees' Tuition Waivers: Undergraduate tuition waivers are used to recruit talented students to the University and specific areas listed: the Academic Honors Program, Agriculture, Art, Intercollegiate Athletics (contact the Department of Health, Physical Education, and Recreation), International Studies, Music, and Theatre. These awards are offered by Illinois State University departments.

Board of Trustees' Tuition Contribution Program: Full-time employees of Illinois State University are eligible to have 50 percent of their dependents' tuition waived. This program covers undergraduate students up to age 23 who enroll full or part-time at Illinois State University. Applications are available through the employees' Human Resource Office.

Academic Scholarship Programs: Some programs offer scholarships based upon academic achievement to continuing students majoring or minoring in their field of study. For example: the Departments of Art; Music; Theatre; and Health, Physical Education, and Recreation; along with programs in Forensics (contact the Department of Communication), and International Studies offer awards based upon past performance or continued participation in programs and departmental activities. Athletic grants-in-aid are awarded to both men and women for participation in University athletic programs.

Recipients of these awards are chosen by the academic department, activity sponsor, or team coach. Contact the department chairperson or representative for additional information.

PRIVATE SCHOLARSHIPS

Approximately 200 foundations, agencies, and other donors award nearly 10,000 private scholarships to Illinois State University students annually. These organizations include clubs, foundations, organizations, corporations, and churches. Requirements are determined by the donor and are usually based on academic achievement. Students should contact local area clubs and organizations for further information. Students are also strongly encouraged to conduct a scholarship search annually to identify and apply for private scholarships. Searches can be conducted using reference materials in high school counseling offices, public libraries or the University's Milner Library. Electronic searches can also be conducted by using fastWEB, a new on-line search program linked to the Illinois State Financial Aid Office home page at <http://www.infosys.ilstu.edu/depts/Finaid/> or by using the Illinois Student Assistance Commission's Higher-EdNet search service for a one-time fee of \$10. Avoid search services or "consultants" who charge a significant fee and/or promise positive results.

LOAN PROGRAMS

Federal Perkins Loan: Perkins Loans are available from funds provided jointly by the federal government and the University. These loans are based on demonstrated financial need as determined by student data reported on the Student Aid Report (SAR). Cumulative loan amounts cannot exceed \$15,000 for the undergraduate program and \$30,000 for the student's entire post-secondary program, including undergraduate and graduate studies. At Illinois State University, funding seldom supports awards greater than \$1,500 per year. No repayment is due and no interest accrues until six months (continuing borrowers) or nine months (first-time borrowers) after the student leaves school or ceases to be at least a half-time student. The interest rate is five percent (APR) and the borrower has up to ten years to repay the loan. The minimum monthly payment is \$30.

Federal Direct Loan Program: This program, established by the Student Loan Reform Act of 1993, provides a new way for students to borrow money to pay for their college education. As a participant in the Direct Loan program, the University will receive loan funds directly from the United States Department of Education and disburse them to eligible student borrowers. There are three kinds of direct loans. 1) the Federal Direct Loan; 2) the Federal Direct Unsubsidized Loan; and 3) the Federal Direct PLUS Loan. The student must complete the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA. (PLUS-only applicants *do not* need to complete the FAFSA.) The Federal Direct Loan is a need-based loan; income and asset information may be requested from the applicant's family. The Federal Direct Unsubsidized Loan provides eligibility to students who demonstrate little or no financial need. The student is responsible for payment of the interest from the date the loan is disbursed. The student must be enrolled for a minimum of six hours per term to be eligible for the loan and be making satisfactory academic progress as defined by the University.

Undergraduate students may borrow up to \$2,625 per year for the first year, \$3,500 for the second year, and \$5,500 for the third and succeeding undergraduate years, up to an aggregate maximum of \$23,500. These amounts are maximums for the award year—the fall semester, the spring semester, and the summer session, in that order. If the student borrows the maximum amount for fall and/or spring 1997-98, that student will have **no** loan eligibility for the summer session 1998 unless he or she advances a class level that increases his or her loan eligibility.

Repayment provisions for a Direct Loan are contained in the promissory note. The note should be read carefully since provisions may differ. First-time borrowers pay a variable rate of the 91-day Treasury-bill rate plus 3.1 percentage points, with a cap of 8.25 percent, adjusted annually. Repayment begins six months after graduation or the student ceases to be enrolled at least half time.

Federal Direct PLUS Loan: Parents of *dependent* students may borrow any amount up to the full cost of education less any other financial aid. Repayment begins within 60 days after disbursement of the loan proceeds. Although the PLUS-only borrower does not have to complete the FAFSA, the Financial Aid Office feels that it is in the student's best interest to do so, to determine what need-based aid the student may be eligible for. In either case, the dependent student's parents must complete a separate Federal Direct PLUS Loan application and promissory note, available from the Financial Aid Office.

Borrower Counseling: First-time borrowers are required to participate in entrance counseling prior to receiving the first disbursement of their loan. The purpose of this counseling is to emphasize your rights and responsibilities as a first-time borrower. Prior to leaving college (either by graduation or withdrawal) borrowers are **required** to participate in exit counseling to receive important information about repayment, consolidation, deferment, and other matters and to have the opportunity to ask questions about your specific situation.

Check Distribution Information: Credit balance checks for aid in excess of amounts owed the University will be mailed by the Student Accounts Office throughout the academic year. Students should be financially prepared to buy books and pay other "start up" costs.

Before any campus-based aid (Perkins Loan, Student-to-Student or FSEOG) will be credited to the student's account, a student must have received and returned a signed award letter to the Financial Aid Office. Perkins Loan recipients must also complete and submit a Personal Data Form.

A **Pell Grant** check will be credited *only after the Financial Aid Office has received FAFSA data electronically from the FAFSA processing agency (while the student is enrolled) and all discrepancies have been resolved.* First-time Direct Loan borrowers must fulfill the entrance counseling requirement (see statement on Borrower Counseling). Direct Loan checks for first-year, first-time undergraduate student borrowers must be held until the 30th day of the academic period before they may be delivered. *Students who are absent from their regular campus address* because of student teaching, study abroad, illness, etc., should notify the Student Accounts Office and specify their name, social security number, and the address to which any check is to be mailed.

STUDENT EMPLOYMENT

Students enrolled for six or more semester hours may work part-time at Illinois State University. Eligible student employees usually work 10 to 15 hours per week while classes are in session. Students working at Illinois State University earn from \$4.75 to \$8.40 per hour. This pay range is subject to change by action of federal government, the state, or the institution.

Federal Work-Study Program: This federally-sponsored program enables students with demonstrated financial need to earn a portion of their expenses while they are enrolled at Illinois State. To be considered for Federal Work-Study the applicant must mark the appropriate response on the FAFSA. The federal government pays 70 percent of a Work-Study student's earnings, while the employer pays the balance. A student employed 10-15 hours per week can expect to earn between \$1,200 and \$1,800 a year. Work-Study students find work on-campus (food service, library, Bone Student Center, departmental offices) or in nonprofit, off-campus agencies (hospitals, youth centers, counties, cities, elementary or secondary schools). Work-Study positions are posted on the Job Board located outside the Student Employment Area, 238 Fell Hall.

Students go directly to the employer for an interview and, if hired, must complete state and federal withholding tax forms in the Payroll Office, 101 Hovey Hall. Work-Study employers must also complete and return a Student Employment Form and an INS Form I-9 to the Financial Aid Office for each student hired. The student is not permitted to earn more than the Work-Study eligibility determined by federal regulations.

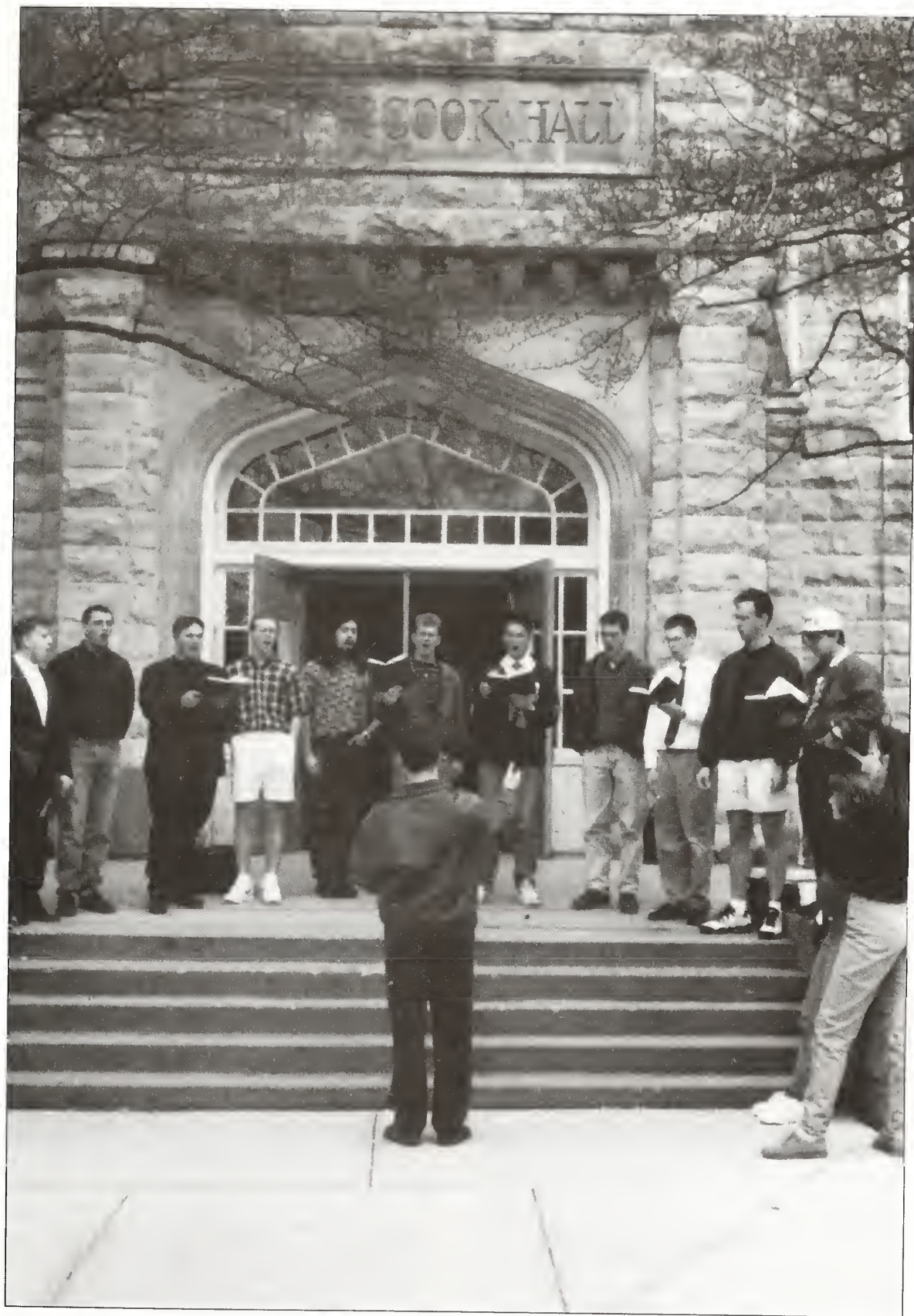
Regular Student Employment: Those students who desire to work on or off campus may seek part-time employment with the University or off campus. The Financial Aid Office has information on such employment opportunities posted on the Job Board located outside 238 Fell Hall.

VETERANS' SERVICES

209G Julian Hall, (309) 438-2207

The Office of Veterans' Affairs advises veterans and their dependents on matters relating to benefits and payments. Certain dependents of deceased war veterans are entitled to educational benefits from the Veterans' Administration. A student seeking such benefits should contact the Veterans' Affairs Office.





STUDENT SERVICES

Illinois State University recognizes that the undergraduate's experience extends beyond the classroom. The University offers programs and services to augment a stimulating academic environment and contribute to the overall growth and development of its students. The University supports the belief that individuals whose intellectual, personal, social, and physical well-being are fully developed serve to enhance the University community, which prides itself on promoting fundamental values such as knowledge and acceptance.

University College

322 Fell Hall, (309) 438-3842

The University College fosters student success and retention by providing comprehensive academic support services and facilitating student transitions to and within the University community. Several programs are coordinated through the University College: New Student Orientation programs (Preview, Passages, and Transfer Days), the Academic Advisement Center, the Academic Enrichment Center, Adult Services Office, CONNECTIONS, Student Support Services, and the University Center for Learning Assistance.

NEW STUDENT ORIENTATION PROGRAMS

The University is committed to assisting all new students as they enter Illinois State University. This transition is facilitated by a series of programs. New freshmen attend "Preview: Summer Orientation"; new transfer students participate in "Transfer Days"; and all new students are involved in "Passages: Fall Orientation." Brief descriptions of these programs follow. For further information, consult the University College section of the *Undergraduate Catalog*.

Arrangements will be made to assist students with disabilities. These students should notify the Office of Disability Concerns, 350 Fell Hall, regarding any special needs prior to arrival on campus, voice (309) 438-5853 or TDD (309) 438-8620.

Preview: Summer Orientation: During the two-day Preview program in the summer, new freshmen will take placement examinations, meet with academic advisors, and register for fall semester classes. There are also opportunities for new freshmen and their family members to discuss issues of campus life with faculty, staff, and current students. Freshmen admitted for a fall semester receive registration materials for Preview in late spring. A fall Preview program is held during the week preceding the first day of the fall semester for a limited number of students who were unable to attend regular summer Preview. New freshmen entering for the spring semester should attend a similar program during the week preceding the first day of classes. Further information is available from the Preview Office, 210 Hovey Hall, Campus Box 2200, (309) 438-2181.

Passages: Fall Orientation: Fall Orientation--Passages--assists all new students with their transition to Illinois State University by holding special activities immediately prior to the start of fall semester classes. These activities promote students' sense of community and integration with campus life. Information about Passages is mailed to all new students in late July. Further information is available from the Office of Student Life, 387 Student Services Building, Campus Box 2700, (309) 438-2151.

Transfer Days: Newly admitted transfer students have the opportunity to receive academic advisement, register for classes and learn more about the University by participating in the one-day "Transfer Day" program. A series of transfer days are held each term—generally two days are scheduled in the fall for those admitted for the spring semester and three days are scheduled in the spring for those admitted for the summer and/or fall terms. Students are invited to choose among the scheduled days. Students receive information about participating in the Transfer Day program after they have been admitted. Students admitted too late to participate in the Transfer Day program are sent information regarding additional advisement and registration opportunities.

ACADEMIC ADVISEMENT CENTER

340 Fell Hall, (309) 438-7604

The Academic Advisement Center provides advisement and academic mentoring to incoming students. Advisors and peer advisors help students develop long- and short-range educational plans and explore academic majors and career options. Advisors provide information about academic requirements and curricula, assist students who are changing majors, and work with students experiencing academic difficulties. Undergraduates with fewer than 30 semester hours, and all General, Pre-Nursing, and Unclassified students are assigned to the Academic Advisement Center; however, other students may seek assistance there as well.

ACADEMIC ENRICHMENT CENTER

340 Fell Hall, (309) 438-7641

The Academic Enrichment Center provides academic support with a focus on the retention of minority undergraduates. The Center fosters a supportive environment for all students with an emphasis on the needs and concerns of minority students on a predominantly white campus. A variety of academic support services is available through the Center: individual and group academic counseling; leadership training, career development, and graduate and professional school preparation. Other opportunities include a formal mentorship program with faculty and staff; a financial incentive award program, and a residential housing program in a global living and learning community.

ADULT SERVICES OFFICE

388-389 Fell Hall, (309) 438-8695

The Adult Services Office provides information, referrals, and assistance for students 25 or older who have been away from the classroom setting for a period of time. Academic advisement and career counseling are available prior to admission and enrollment. Special orientation sessions during "Passages" in August, special workshops, late afternoon and Saturday appointments, and other services are available to meet the diverse needs of the returning adult student. The Adult Learner and Senior Citizen programs are administered through the Academic Advisement Center.

CONNECTIONS

340 Fell Hall, (309) 438-7604

The freshman learning communities program, CONNECTIONS, is administered through University College. For details, see the CONNECTIONS section under "Special Academic Opportunities: in the *Undergraduate Catalog*.

STUDENT SUPPORT SERVICES

340 Fell Hall, (309) 438-7641

The Student Support Services (SSS) program enhances participants' chances for academic success and retention to graduation by addressing barriers commonly encountered by first-generation college and low-income students. SSS provides participants with individualized, intensive academic assistance, including detailed needs assessment, academic progress reports, referrals to appropriate campus units, and help in developing wise decision-making skills in the context of higher education. Additionally, participants are given the opportunity to attend on- and off-campus graduate school informational programs and student leadership conferences. SSS is funded by the U.S. Department of Education in cooperation with Illinois State University.

UNIVERSITY CENTER FOR LEARNING ASSISTANCE

133 Stevenson, (309) 438-7100

The University Center for Learning Assistance provides individual tutoring, small group tutoring, short courses, and seminars to students in the following areas: writing, reading, study skills, and various course work, especially in University Studies courses. Tutors for the Center are advanced undergraduate students who are trained and experienced in the areas they tutor. Students in specified courses may participate in Supplemental Instruction, small-group study sessions designed to promote active learning in certain content areas. Students who desire tutorial assistance should call or come to the Center. Instructors interested in adding tutorial assistance to their courses should contact the Center directors.

Campus Living: Accommodations and Policies

OFFICE OF RESIDENTIAL LIFE

Office of Residential Life, (309) 438-8611

TT/TDD (309) 438-8177

Students with disabilities are requested to contact the Director of Disability concerns, 388 Fell Hall.

RESIDENCE HALLS

The University owns and operates 13 residence halls, providing living accommodations for approximately 7700 students. These facilities include spaces accessible to students with disabilities. The residence halls have been designed to provide not only basic living requirements, but also counseling, advising, educational and co-curricular programs. The University regards residence hall living as an important part of University life and requires that certain students reside in the residence halls as a condition of enrollment.

Professional staff, aided by undergraduate Resident Assistants, are responsible for educational programs, policies, and facilities within the residence halls.

In the spring, residence hall applications are automatically mailed to students who have been admitted to the University for the following academic year. Room assignments are made after consideration of each student's preference, not only of location, but also of living style.

The room and board rate in the residence halls for the 1997-98 academic year is \$3,840 for multiple occupancy and meal plan 2. Students have four meal plans from which to choose. A number of single and super single rooms are available at an additional cost. Dunn-Barton and Atkin-Colby Halls remain open during all University breaks during the academic year. All students assigned to those halls are required to pay an additional non-refundable charge (above and beyond the basic room rate) for that service. A \$50 security deposit is required which is retained until the final period of occupancy; additionally, a \$50 application and processing fee is assessed. Students may elect to pay each semester's room and board charges in one lump sum or in installments. Students are expected to furnish linens, towels, blankets, pillows, bedspreads, and waste baskets.

University On-Campus Housing Policy: Entering freshmen who have not previously attended this University must reside in University-operated residence halls for their first four semesters. Students transferring to this University as sophomores (as classified by the Office of Admissions) must reside in University-operated residence halls for their first two semesters. These policies are applicable to all students insofar as space is available in University residence halls. Residence hall living for two summer sessions is equivalent to one semester.

The University may make exemptions for certain categories of students based upon guidelines related to marital status, proximity of home to campus, age, and other pertinent factors. Special consideration will also be given to applications for exemption received prior to August 1 from sophomore students who are members of fraternities or sororities who will be residing in their organization's official house. Those fraternities and sororities must be members of Interfraternity Council Panhellenic Association and National Panhellenic Council, Inc. If students wish to appeal a decision concerning their petition for an exemption to the University On-Campus Housing Agreement, they may obtain information on the appeals procedure from the Office of Residential Life.

APARTMENT LIVING

Two University-owned apartment complexes provide residents with an environment conducive to both personal and academic growth. Qualifying upper-class, married, family, and graduate students are eligible to reside in these units.

There are 292 unfurnished apartments in the two complexes, Cardinal Court and 300 Shelbourne Drive, offering residents a quiet environment, community atmosphere, excellent maintenance service, spacious grounds, and good proximity to academic buildings. Rental rates for 1997-98 range from \$224 to \$318 per month. Water and cable television service are provided by the University; all other utilities are paid by the resident. A \$150 security deposit is required and is held until after occupancy is terminated.

For additional information and an application contact the Office of Residential Life.

Off-Campus Housing: The University does not participate in housing contracts issued to students renting space in private housing and does not participate in the inspection of any off-campus housing.

PARKING

709 N. Main Street, (309) 438-8391

All vehicles occupying University parking facilities, other than metered spaces, during the posted hours, must display a valid and appropriate parking decal obtained from the Parking Services Office.

CHILD CARE

Open only to students, Illinois State Child Care Center offers high quality, affordable child care services to children 2-10 years of age. It is open during the fall, spring, and summer semesters. Hours are 7:30 a.m. to 5:00 p.m. during the fall and spring; 7:15 a.m. to 4:45 p.m. during the summer. The center is licensed for 40 children at a time with care provided in 124 Turner and 105 Fairchild. Call 438-5026 for an application or visit 124 Turner Hall and ask for the Director.

Counseling and Career Services

The overall goal of Counseling and Career Services is to assist students in acquiring those values, attitudes, skills, and experiences which will enable them to maximize their opportunity for life-long academic, career, and personal development. We provide comprehensive psychological and counseling services, career planning, professional practice (internship and cooperative education), and networking assistance (placement) for post-graduate employment and/or education to assist students in the transition from the academic community to the world of work. A description for counseling and career services follows.

COUNSELING SERVICES

320 Student Services Building, (309) 438-3655

A full range of counseling services, including individualized personal and career counseling, group counseling, and crisis intervention are provided to students on a voluntary, confidential, and no-fee basis. Counseling Services is also involved in the training of undergraduate and graduate

students. All services are provided in a way which supports cultural and racial diversity and which fosters an environment which respects individual and group differences.

CAREER PLANNING

185 Student Services Building, (309) 438-2200

Career planning provides a variety of career related experiences to help students with the different career stages. In assessing career direction, students become aware of interests, skills, values, and other personal characteristics and begin to integrate these into a career identity. They may choose to explore University resources and career options consistent with their University resources and career identity. Students are also encouraged to examine ways of relating their major and interests to the world of work. Finally, students begin the process of implementing decisions, setting career goals, developing strategies for goal attainment and carrying out these strategies. Career counseling, computerized career guidance, interest inventories, and a career choice class (IDS 106) are offered to assist in career planning.

PROFESSIONAL PRACTICE

(Cooperative Education and Internships)

185 Student Services Building, (309) 438-2200

The nationally recognized Professional Practice program offers academically qualified students an opportunity to integrate classroom study with one or more terms of paid or unpaid learning experience in a work environment related to the student's academic and career goals. Approximately 5,500 organizations in the U.S. and foreign countries have served as learning sites.

Cooperative Education, one form of Professional Practice, is an educational pattern which allows students either alternating or parallel periods of campus study and paid, educationally related work experiences.

Internship, the other form of Professional Practice, is usually unpaid and typically occurs only once during a student's undergraduate career.

Students interested in enrolling in Professional Practice (Cooperative Education or Internship) should contact their department coordinator or Counseling and Career Services early in their undergraduate career so that credit-generating work experiences can be arranged well in advance of placement. A maximum of 16 semester hours may be used toward graduation at the undergraduate level.

CAREER PLACEMENT/EMPLOYER RELATIONS

185 Student Services Building, (309) 438-2200

The employer relations component of the Counseling and Career Services strives to educate student/alumni on information and skill development related to discover and to secure career-related employment. Individual career counseling, resume/letter development, mock interviewing, and employment counseling are offered. The Counseling and Career Services maintains an extensive Career Resource Center with over 5,000 volumes of career resource material, including employer literature, job descriptions, job outlooks, salary information, and videos produced by employers.

Assisting students/alumni in discovering employment opportunities and contacting employers is accomplished through two Senior Career Fairs, Intern Co-Op Day, Workforce Diversity Fair, Teacher Placement Day, and Graduate/Professional School Fair. Weekly Vacancy Bulletins provide vacancy listings for teaching, business and government, and a computerized resume referral service links candidates to employers.

Professional assistance is also provided for students who are considering graduate or professional school and placement credentials for education-related professionals/alumni as part of the placement service.

Health-Related Services

STUDENT HEALTH PROGRAM

Medical Service: Second Floor, Student Services Building, (309) 438-8655

Student Insurance Office: Second Floor, Student Services Building, (309) 438-2515

The Student Health program consists of two components: 1) The On-Campus Student Health Service and 2) A comprehensive low cost Student Health and Accident Insurance Plan that supplements services available through the Student Health Service. All students who register for one or more credit hours and pay a Student Health Service fee during the fall and spring semesters, summer session, and all graduate assistants with a tuition waiver pay a health fee. Regarding health insurance, all students registered for nine or more hours during the fall and spring semesters by the 15th calendar day of classes (or for six or more hours by the eighth calendar day of the variable length summer session) and all graduate assistants with tuition waivers are assessed a health insurance premium.

On-Campus Student Health Service: Students who register for one or more credit hours and pay the Health Service fee are entitled to use all the services at the on-campus Student Health Center for the entire session. Spring semester students who do not plan to attend the summer session classes may obtain prepaid summer health care if they pay the appropriate health fee. Enrolled students may purchase Student Health Service access for spouses if they pay a fee. All optional health fees are payable in the Student Health Service.

The Health program is fully accredited by the Accreditation Association for Ambulatory Health Care, Inc. Health services at the clinic are comparable to those offered by most private community physicians. The clinic is staffed by licensed physicians and registered nurses. Clinic ancillary departments include laboratory, radiology, pharmacy, and health promotion. Students wanting to use the clinic should call (309) 438-2778 to schedule an appointment and bring their Illinois State Student ID cards when checking in.

Complicated illnesses or injuries requiring surgery or long term care will be referred to an outside specialist. New students who have chronic medical conditions such as asthma, diabetes, or epilepsy, which require continuous monitoring and treatment, should retain the services of private physicians for the continuing management of their condition.

The Health Service will be glad to furnish supportive care and assist the student's private physician in the student's care if the private physician furnishes written instructions. There are competent medical specialists plus two

hospitals in the Normal-Bloomington area that are equipped to handle medical problems should they arise. Information regarding medical services can be obtained by contacting the Student Health Service located on the second floor of the Student Services Building, or by calling (309) 438-8655.

Student Health and Accident Insurance: The *Student Health Insurance Fee* provides a health and accident insurance policy intended to meet the needs of students without other insurance or to provide 100 percent coverage for insured expenses by coordinating with a family policy. Insurance coverage is world-wide. The policy includes a \$250,000 maximum, a \$1,000 stop-loss provision designed to provide catastrophic coverage while limiting out-of-pocket expenses, and a \$50 deductible. This deductible is waived if other insurance is also in force. The schedule of benefits includes services for hospital inpatient and outpatient use, including emergencies, surgical and anesthesia fees, physician's charges, consultation expenses, laboratory and radiology expenses, and ambulance services. A complete schedule of benefits may be obtained from the Office of Student Insurance, Room 230 in the Student Services Building.

Student insurance coverage begins the Thursday prior to the first day of regularly scheduled fall classes and 48 hours prior to spring semester or the summer session. This coverage is terminated on the first day of classes of the next regularly scheduled term. Continuous year-round coverage is available if the student maintains University registration at nine or more hours during the first and second semesters and applies for summer coverage at the Student Health Insurance Office prior to the expiration of spring coverage. A summer insurance fee will be assessed in tuition and fees only by registration of six or more credit hours prior to the eighth calendar day of the variable length summer session. An insured student who graduates may purchase one additional term at the group rate by applying prior to graduation day. This policy contains no extension of benefits into a non-covered semester for any condition. Extension of coverage for existing conditions, such as maternity, is available through the conversion option, details of which can be obtained through the Student Insurance Office. Although dependent coverage is not included in the Student Plan, the Student Insurance Office can provide suggested alternatives for students needing dependent coverage.

It is strongly recommended that students remain enrolled in this plan even if other health insurance is present. A request to cancel this insurance plan is permitted during the first 15 calendar days of each semester (eight days during the summer session) for those students who prove they have comparable insurance coverage (insurance I.D. card or copy of policy) and complete the required petition in the Student Insurance Office. However, experience has often shown that the premium for the Illinois State University plan is less than out-of-pocket bills that many have to pay because of higher deductibles and co-insurance provisions in their own policy. Additionally, students sometimes lose coverage through their parents' plan because of age limitations, changes in dependent status, or changes in employment of parents. Thus, it can be more economical to remain enrolled in the Illinois State University plan.

The previous information is a summary of benefits and enrollment procedures. Persons desiring specific information about the Illinois State University Student Health Insurance Plan should contact the Illinois State University Student Health Insurance Office, Room 230, Student Services Building, or call (309) 438-2515.

DISABILITY CONCERNS

350 Fell Hall, (309) 438-5853—Voice

(309) 438-8620-TDD/TT—Telephone for the Deaf

This office assists persons with disabilities in becoming full and participating members of the University community as students, faculty, and staff. Persons with disabilities refers to individuals with sensory, physical, or learning disabilities, emotional problems, chemical dependency, spinal cord injury, cerebral palsy, arthritis, multiple sclerosis, spina bifida, cardiovascular problems, asthma, epilepsy, sickle cell anemia, and many others.

The Disability Concerns Office offers a variety of services to accommodate persons with disabilities. Services provided include, but are not limited to: readers, sign-language interpreters, wheelchair-pushers, tutors, brailists, and note-takers. Each person is an individual with specific needs based on his or her disability. The appropriate accommodations are determined in consultation with the Director and service delivery plans established. The Office maintains a list of persons interested in being employed as Personal Assistants (PA). Students with a disability requiring a PA are responsible for securing their own PA. The Director will meet with the student, if he/she desires, and the PA to assist with drawing up the necessary agreement. The Office assists some persons with disabilities in class registration and scheduling concerns. Most services are provided by volunteers from the University and community. Persons interested in volunteering should contact the Disability Concerns Office.

Students with disabilities should make an early contact with the Disability Concerns Office to facilitate their successful integration into the University community. All information regarding a person and his/her disabilities is confidential. Persons with disabilities are encouraged to contact the Office of Disability Concerns, (also the 504 and ADA Coordinator), at 350 Fell Hall, (309) 438-5853, Fax (309) 438-7713—Voice or TDD/TT (309) 438-8620—Telephone for the Deaf, as early as possible.

SPEECH AND HEARING CLINIC

211 Rachel Cooper/Fairchild Hall, (309) 438-8641

Students may obtain evaluation and therapy services for a wide range of speech, language, voice, and stuttering disorders as well as hearing services including hearing testing, auditory training, and all aspects of hearing aid dispensing and management. Students are exempt from fees for services but not from the costs associated with the purchase of products such as hearing aids and batteries. Please contact the Speech and Hearing Clinic for appointments.

Co-Curricular Opportunities and Services

STUDENT LIFE

Third Floor, Student Services Building, (309) 438-2151

The Office of Student Life is primarily concerned with encouraging the total development of students at Illinois State by coordinating and promoting educational, recreational, social, cultural and entertainment programs that create opportunities for out-of-classroom interaction and individual

growth. Through the Office's professional staff and with the involvement of University faculty and staff, advisement and support is offered to all registered student organizations. The University recognizes the role organized activities serves in creating educational experiences for students. Students are encouraged to participate in programs sponsored by the wide variety of organizations active on campus. Individual and group development is provided by means of a year-long, comprehensive series of workshops. In addition to maintaining a relationship with the social sororities and fraternities on campus, the Office coordinates a variety of University-wide activities and performing events through involvement with the entertainment programming organizations. The Office also coordinates the allocation process of student activity fees, a placement service for student volunteers, a number of services and programs for parents, and a comprehensive safety/security program on the campus. A description of the many organizations and activities on campus is provided in *The Student Handbook*, available in many University offices.

Student Handbook: The *Student Handbook* is made available to all new and continuing students at Illinois State University. Contained within the *Student Handbook* are descriptions of activities and services available to students as well as procedures and regulations which are important for students to know and understand. The handbook enumerates students' rights and responsibilities within the University community.

STUDENT CLUBS, ORGANIZATIONS, AND ACTIVITIES

Students' academic interests are complemented by a wide variety of co-curricular activities available on campus. Many organizations offer students opportunities for interaction and involvement. Students may demonstrate leadership, creativity and initiative through active participation in the following student organizations and activities.

Student Government Association (SGA): The fulfillment of many student needs and interests can best be facilitated by other students. As the primary student organization representing all students, the Student Government Association promotes the concept of "students helping students." It is committed to serving, representing and working for meaningful changes for students. Since all students are members of the Student Body, they are entitled to its services and activities. The Student Government Association is comprised of two governmental branches. The executive branch offers services and programs to students and performs an advocacy function on behalf of individual students or the entire student body. The legislative branch consists of an Assembly with student delegates which represents the views of the student body to other segments of the community.

The Student Government Association works to coordinate and provide services designed to fill those needs which cannot be met within the University or community. Several student coordinators are responsible for providing programs in the general areas of: student-community relations; governmental relations; public relations; Tenant Union; and the Unity Coalition.

The Student Government Association coordinates, focuses and relays student interests to those who make decisions on matters regarding those interests. In addition, the Student Government Association has the responsibility to take an active role in bringing about changes to improve the environment in which the student learns, works, lives and grows.

The sixteen elected legislators serve as the voting members of the Assembly. In addition, the Executive Branch members, the Student Trustee and representatives from affiliate organizations are non-voting members of the Assembly. These organizations include: Academic Senate; Association of Latin-American Students; Association of Residence Halls; Black Student Union; Graduate Student Association, and the Greek System. The Student Government Association utilizes interns to implement many of its programs and serve on committees representing the student body. The SGA also monitors the student fee allocation process to ensure that fees are used to achieve the maximum benefit for students. Liaison relationships are maintained with the Academic Senate, the Board of Trustees, the Student Affairs Office, the Student Advisory Committee to the Board of Higher Education, the Normal Town Council and major student organizations.

Association of Residence Halls (ARH): The Association of Residence Halls is the central governing body for the 13 residence halls. All students living in the residence halls are members of ARH and encouraged to become active participants. The purpose of this organization is to identify and address the needs of residence halls students and seek improvements in the living and community environments. Programs are also offered that meet the needs and interests of all residents.

ARH is composed of an Executive Board and an Assembly. The Executive Board consists of the President, Vice President, Treasurer, Secretary, and the Chairperson of standing committees. Each member of the Assembly serves on one of these committees: Food, Policy Review, Programming, Services, and Publicity. Additional positions include the national Communications Coordinator and the Student Unity Director. The Assembly is composed of area government and Unity Coalition representatives.

ARH serves as the voice of the residents concerning regulations and life in the residence halls. The Association provides essential student input for staff selection, room and board rates, renovations, food service, and other topics that affect residence hall students.

If you are interested in becoming a representative or a member of the Executive Board, you are encouraged to contact the ARH office in Watterson Towers North (309) 438-2015.

Black Student Union (BSU): The Black Student Union is responsible for developing and providing opportunities for Black students to involve themselves in creating relevant cultural programs. Further, it is responsible for promoting positive identification, association, and relationships for Black historical and contemporary culture. It provides an atmosphere conducive to the psychological and social needs of Black students. The Black Student Union provides opportunities for the development of decision-making abilities and potential talents of students.

The Black Student Union also provides a vehicle for students to understand their relationship to the total University community. Liaison relationships are maintained with the Student Affairs Office, Illinois Association of Black Students and Midwest Association of Black Student Governments. Membership in the BSU is open to all Illinois State University students.

Student Communication Media: *The Daily Vidette* newspaper is published daily by students to present important campus news and to reflect student life. Students interested in

journalism can receive valuable experience in writing, layout, advertising, and editing. The student editor appoints a staff of assistant editors and reporters. A general manager supervises the publication.

WZND is a commercial FM student-run radio station serving both the campus and the Bloomington-Normal community. Programs include locally-produced news, sports and public affairs. WZND is a campus organization with membership open to students interested in all phases of broadcasting.

TV 10 News is a nightly television news program telecast from the Department of Communication studios and carried to the Bloomington-Normal community through the local television cable system. It is produced by the Department of Communication and Student Television Workshop with professional direction. Students working on the program in news or production positions may earn academic credit for their participation.

Student Organizations: There are over 250 different registered student organizations on the Illinois State University campus. These organizations fall into one of eleven categories. Those categories are: Departmental; Entertainment; Ethnic; General Interest; Honoraries; Political Interest; Recreation; Religious; Residence Halls; Service; and Social Fraternities and Sororities. The following are definitions of each category:

- **Departmental:** Organizations in this category provide a co-curricular outlet to socialize with others, develop leadership skills and learn of new developments in a particular major or minor field.
- **Entertainment:** These organizations provide a wide variety of entertainment for the student body in the form of concerts, movies, speakers and theme weeks.
- **Ethnic:** These organizations offer students opportunities to explore cultural, social and service aspects of various ethnic backgrounds.
- **General Interest:** These groups offer students the opportunity to get involved in a wide variety of student activities that are not generally offered in any other category.
- **Honoraries:** These groups promote scholastic excellence and deeper involvement in various academic areas.
- **Political Interest:** Involvement in politics—on campus as well as on the local, state and national level—is the intent of these groups. Some groups set up political parties for campus elections, while others work with state and national campaigns.
- **Recreation:** Campus Recreation Services and many sport clubs offer opportunities to participate in recreational endeavors. Their purpose is to promote active involvement in a variety of recreation and leisure activities.
- **Religious:** Religious organizations offer students opportunities for spiritual programs. Several religious denominations are represented on campus to satisfy the varied religious needs of the University community.
- **Residence Halls:** Governance of residence hall operations and promotion of cultural ideas are two major endeavors for these groups. They also provide programming, development and unity within campus residence halls.
- **Service:** These organizations provide service to the campus, community and national charities through various philanthropic projects and volunteer opportunities.
- **Social Fraternities and Sororities:** These are social organizations that promote the total educational development of the individual through the group concepts of brotherhood and sisterhood. Most of these groups are local chapters of national organizations.

OFFICE OF MULTICULTURAL AFFAIRS

305 North School Street, (309) 438-8968

The Illinois State University Office of Multicultural Affairs is part of the Division of Student Affairs. The mission of the Office is to raise cultural awareness in all students, faculty, and staff, and to facilitate a cohesive environment for underrepresented ethnic minority populations. The Office sponsors a wide variety of programs, including the traditional theme months, and year-long programming for women, African Americans, Latinos/Latinas, Asian Americans, and Native Americans, in conjunction with MECCPAC (Multi Ethnic and Cultural Co-Curricular Programming Advisory Committee). The Office plays a role in developing student recruitment and retention programs as well as collaborates with faculty and academic departments to enhance in and out of classroom experiences.

The Multicultural Center is a component of the Office of Multicultural Affairs and is designed as a place for the entire University community to use. It offers two conference rooms that can be reserved for meetings, seminars, or other gatherings, a library with a growing collection of multicultural holdings and a relaxed atmosphere for studying and meeting friends. Any student or University personnel requiring help or information about available services is encouraged to contact the Director of the Office of Multicultural Affairs.

PARENT SERVICES

387 Student Services Building (309) 438-3753

Parents and family members who need assistance can contact the Office of Parent Services. This office develops programs which promote family involvement in the University and its educational mission as well as providing information about University resources to parents. This Office assists University officials with outreach efforts to parents and conveys the suggestions and concerns of parents to the University community.

The parents of current students at Illinois State have the opportunity for active involvement in the University through the Parents' Association. All parents of Illinois State University students are automatically members of the Association.

The Association's activities and programs are coordinated through the Parent Services Office. A Parents' Advisory Board, representing various geographic areas, serves as the liaison between the University and all parents.

RECREATION SERVICES

Beech and Willow, (309) 438-PLAY
220 N. Main, (309) 438-8333

Recreation Services hosts an extensive program consisting of five program areas. Lifestyle programs provide scheduled open recreation hours in campus facilities in addition to special activities. Non-credit instruction is available through Learning Exchange in a variety of exciting areas such as scuba diving. A nominal fee is assessed to cover instruction and materials. Rec Sports runs an action-packed schedule each semester of competitive leagues and tournaments.

The Outdoor Program provides students with an array of services, including the Outdoor Equipment Rental Center, Outdoor Adventure Trips, a complete Outdoor Reference Library, an outdoor skills series, and environmental programs. Illinois State University also maintains a par 71, 18-hole Golf Course. A complete pro shop, featuring fine equipment and clothing items plus a light snack menu, is available. Instruction, cart rental, and league play are available to beginners through professionals.

Recreation Services operates the Illinois State University Student Recreation Building. This facility is located at the corner of Beech and Willow Streets and offers students four racquetball courts, two full sport courts for basketball and volleyball, a walk/jog track, Weights Plus featuring Cybex, free weights and state-of-art cardiofitness equipment, two aerobic studios, George Arndt's Juice Bar, saunas, and Club Rec. The Recreation Services Administrative Offices are located in the building, on the second level.

Please note that students must be registered for twelve or more credit hours in the fall and spring, and summer school students must be registered for six or more credit hours to receive student rates at the University Golf Course.

BONE STUDENT CENTER/ BRADEN AUDITORIUM

Information, (309) 438-2222

Bone Student Center provides facilities, programs, and services, primarily for students, which complement the educational goals of the University. Included within the Center are a McDonald's, Pizza Hut, Taco Bell, and other restaurants; a bookstore and other merchandising centers; photo copying; ID Card Office; InfoCentre; bus and event ticket sales; automatic teller machines and check cashing; lounge areas; and multi-purpose rooms for student activities and programs. Adjacent to the Center are a Bowling and Billiard Center and a 500-space parking lot.

Braden Auditorium seats 3,457 on three levels. It is an academic and public service facility and an entertainment center for the University and the community.

Student Discipline and Grievance Procedure

STUDENT JUDICIAL OFFICE

202 Fell Hall, (309) 438-8621

The Student Judicial Office provides administrative support for the Student Code Enforcement and Review Board (SCERB), the University Hearing Panel, and the Student Grievance Committee. These committees are responsible for the enforcement of the Student Code of Conduct and the review of student grievances. For further information concerning student rights and responsibilities, the Student Code of Conduct, and the student grievance procedure, consult the *Student Handbook* available through the Office of Student Life and Programs in the Student Services Building (third floor) or the Student Judicial Office.

ACADEMIC REQUIREMENTS

The University reserves the right to revise Academic Requirements as deemed appropriate. Changes in the *Undergraduate Catalog* affect all students, unless otherwise noted, and take effect May 19, 1997.

Undergraduate Degree Requirements

Undergraduate degrees available at Illinois State University include the Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Fine Arts, Bachelor of Music, and Bachelor of Music Education degrees. When applying for graduation, the student indicates the specific degree desired which he or she is qualified to receive. Other requirements are specified for each degree below.

Bachelor of Arts (B.A.) Degree: University Studies requirements; general requirements for graduation; required field(s) of study; 32 semester hours in humanities and social sciences (consult Undergraduate Evaluation or the Academic Advisement Center for specific courses that apply to this 32-hour requirement); and foreign language, with at least one semester at the 115-level or higher taken in college. Foreign language classes taught exclusively in English are excluded. The Department of Foreign Languages establishes high school and proficiency equivalents. Students for whom English is not their native language can meet the foreign language requirement 1) by taking COM 110 and two English courses or 2) by meeting the 115-level requirement in a language other than their first language. To request this option, written approval from the major department and Associate Vice President, Instruction, and Dean of Undergraduate Studies is required.

Bachelor of Science (B.S.) Degree: University Studies requirements; general requirements for graduation; and field(s) of study requirements.

Bachelor of Science in Education (B.S. in Ed.) Degree: University Studies requirements; general requirements for graduation; Teacher Education approved major; and Professional Education requirements.

Bachelor of Fine Arts (B.F.A.) Degree: University Studies requirements; general requirements for graduation; and Art field of study requirements for B.F.A. degree.

Bachelor of Music (B.M.) Degree: University Studies requirements; general requirements for graduation; and Music field of study requirements for B.M. degree.

Bachelor of Music Education (B.M.E.) Degree: University Studies requirements; general requirements for graduation; Music field of study requirements for B.M.E. degree; and Professional Education requirements.

Graduation Requirements

Meeting graduation requirements is the individual responsibility of each student. To help in the fulfillment of graduation requirements, the student and his or her advisor should check the student's Academic Progress Summary frequently. The following graduation requirements apply to all students and must be successfully completed by the session the student plans to fulfill all graduation requirements. All references to hours are to semester credit hours.

1. **Total Hours:** The actual hour requirement for an undergraduate degree varies by the program or combination of programs a student elects. A student must have a minimum of 120 hours of credit acceptable toward graduation. Some courses, which are noted in the course descriptions, may not count toward graduation. There are some curricula or combinations of fields that require additional hours. If all specified requirements are completed with fewer than 120 semester hours, a student must elect sufficient coursework to total at least 120.
2. **University Studies:** University Studies hours must total at least 48 semester hours, excluding courses taken in the student's major department, distributed over the eight areas described in the *Undergraduate Catalog*. A transfer student, who is admitted to the University from a public community college in Illinois and who has completed an associate degree in a baccalaureate-oriented sequence, will be considered to have met the University Studies requirement; other transfer students must complete the regular University Studies program. See the University Studies section of the *Undergraduate Catalog* for specific requirements.
3. **Major-Minor Options:** Liberal arts or non-Teacher Education students who are candidates for B.S. or B.A. degrees must complete a major field of study. Completion of a second major, a minor, and second minor is optional. Teacher Education students who are candidates for B.S., B.A., or B.S. in Ed. degrees must complete Professional Education requirements and a major approved for Teacher Education. Some Teacher Education programs require the completion of requirements for a second teaching field.
4. **Senior College Hours:** The senior college hours (courses numbered 200 or above) must total at least 42 hours. Coursework transferred from other colleges and universities is not counted as senior college credit if freshmen and sophomores are regularly permitted to enroll in such work. **No credit from two-year colleges may be counted as senior-level.**
5. **Grade Point Average:** Unless otherwise specified in a specific program, the GPA for all courses taken at Illinois State University must be 2.0 (C) or higher. In addition, the student must have a GPA of 2.0 (C) or higher in the courses required in the major and the minor if the student has a minor.
6. **Removal of Incomplete:** Students may not graduate with an incomplete grade on their record. Each incomplete grade (I) must be removed at least six weeks before December or May Commencement, or two weeks before August graduation.
7. **Residence Requirements:** Unless otherwise specified in a specific program, at least 30 of the last 60 hours completed toward the baccalaureate degree must be earned at Illinois State.
8. **Constitution Examination:** Each student must pass an examination on the Constitution of the United States, the Constitution of the State of Illinois, and the proper use of the American flag. The examination is given on different dates throughout the year; for specific dates contact the University Assessment Office in Julian

Hall. A student may meet this requirement by successful completion of Political Science 105 at Illinois State University. Students who transfer in a course equivalent to POS 105 from an accredited college or university in Illinois will be considered to have met both the Constitution of the United States and the State of Illinois. Students who transfer in a course equivalent to POS 105 from a United States institution outside of Illinois will be considered as having met only the examination on the Constitution of the United States. That student may meet the requirement of the Illinois Constitution by passing the examination or completing POS 221 at Illinois State, by transferring the equivalent of POS 221 from another accredited Illinois college or university, or by presenting certification of having passed an appropriate examination on the Constitution of the State of Illinois at another accredited Illinois college or university.

9. **University Writing Examination:** Each student graduating under the requirements of the 1984-85 or a subsequent *Undergraduate Catalog* must demonstrate writing competence by passing the University Writing Examination. The examination should be taken after the completion of 45 semester hours and before the completion of 75 semester hours. At least 15 semester hours must have been completed since the satisfaction of the freshman English requirement. Transfer students with more than 75 semester hours must take the examination before the end of their first term at Illinois State University. A fee will be charged to cover the cost of the examination. In order to take the examination, students must register for English 189.99. Students will be enrolled for the limited number of examination seats available each semester on a first-come, first-served basis. **In order to avoid delaying their graduation, students are strongly advised to register for the examination as soon as they become eligible.**
10. **Correspondence and Extension Hours Limit:** Illinois State does not offer correspondence courses. A student may not present more than 32 hours of extension and correspondence credit from other institutions for graduation, of which not more than 16 hours may be correspondence hours. Illinois State University does not distinguish between on-campus and off-campus courses. Therefore, all hours earned in Illinois State courses apply toward graduation unless specifically noted otherwise.

Undergraduate Catalog Requirements

For a student who attends at least one term of each academic year, graduation requirements are specified in the *Undergraduate Catalog* for the year he or she entered the University. If attendance is not continuous, a student must meet the requirements specified in the *Undergraduate Catalog* in effect when he or she reenters the University. If such a student continues in the curriculum chosen originally, the hours earned in meeting the requirements of an old program will apply to the hour requirement of a revised program. In all instances, the University may adjust graduation requirements to ensure that each graduate of a teacher preparation curriculum meets the course requirements for an Illinois Teaching Certificate.

A student who transfers from an Illinois public community college to this University may choose to meet graduation

requirements specified in the Illinois State University *Undergraduate Catalog* in effect at the time the student entered the community college if 1) attendance was not interrupted, and 2) transfer to Illinois State University occurred within nine months of attendance at the community college.

Since University programs are constantly evaluated and improved, a student may graduate under new requirements published while he or she is in attendance at the University. A student who changes to new *Undergraduate Catalog* requirements, however, must meet all the requirements in that catalog.

Graduation Procedures

Application for Graduation: During the early part of his or her senior year, the student must submit an *Application for Bachelor's Degree* to the Office of Undergraduate Evaluations. Each student should apply for graduation on or before the date specified in the *Class Registration Directory* and in the University Calendar. The student pays a \$20 graduation fee when applying for graduation, unless the fee is covered by a state scholarship.

Academic Progress Summary: The Academic Progress Summary (APS) is an assessment of the student's academic progress toward completion of requirements for the bachelor's degree. This summary may be requested by the student at Academic Records and Course Registration Services, 209 Julian Hall, Campus Box 2204.

For those programs requiring special audit considerations, a senior evaluation will be prepared after the student has submitted the Application for Bachelor's Degree.

To determine specific program requirements (in addition to the general requirements for graduation stated above), a student should consult the following sections of the *Undergraduate Catalog*: 1) the University Studies requirements; 2) the specific requirements for the major and minor fields of study; and, if the student seeks teacher certification, 3) the University-wide Teacher Education program requirements information provided in the College of Education section of the *Undergraduate Catalog*.

Commencement: Degrees are conferred and diplomas awarded after the close of each semester and the summer session. Commencement exercises are held December and May at the end of the semester. Undergraduate students completing degree requirements during the fall semester participate in Commencement exercises in December; students completing degree requirements during the spring semester or at the close of the summer session following Commencement may participate in Commencement exercises in May.

Second Bachelor's Degree

A student who has already received one bachelor's degree from Illinois State University, or from another college or university accredited for baccalaureate degrees by the appropriate regional accrediting association, may receive a second bachelor's degree at Illinois State University. All specified requirements at the time of admission to the program for the second degree must be met, and the program of studies completed for the second degree must include at least 32 semester hours of coursework taken after the granting of the first degree of which 30 hours must be taken in residence at Illinois State. At least 24 of the 32 hours offered toward the second degree must be senior college-level (courses numbered 200 and above).

University Grading System

Course Grades: Instructors assign a grade in each course for which the student is registered. The course instructor is responsible for correcting any error in grading.

The grade point equivalents are 4 for A, 3 for B, 2 for C, 1 for D, and 0 for all other grades. The 0 value of F as well as WF is computed in the student's grade point average. The 0 value of grades I, AU, CR, CT, NC, WP, and WX are not computed in the student's GPA. University grades assigned undergraduate courses are:

- A Excellent
- B Good
- C Satisfactory
- D Poor, But Passing
- F Failing - Assigned to students who are 1) enrolled in a course all semester but fail to earn a passing grade, or who 2) stop attending a class without officially withdrawing
- WP Withdrawal Passing - Assigned to students who officially withdraw from a course and who are doing passing work at the time of withdrawal
- WF Withdrawal Failing - Assigned to students who officially withdraw from a course and who are not doing passing work at the time of withdrawal
- I Incomplete
- AU Audit
- CR Credit - Assigned to students who do satisfactory work in a course which is offered on a Credit/No Credit basis only
- CT Credit - Assigned to students who earn an A, B, or C grade in a course which they have elected to take under the Credit/No Credit option
- NC No Credit - Assigned to students who 1) do not do satisfactory work in a course which is offered on a Credit/No Credit (CR/NC) basis only and to students 2) who do not earn an A, B, or C grade in a course which they have elected to take under the Credit/No Credit (CT/NC) option
- WX Withdrawal - Assigned to students who officially withdraw from a course before the quality of work can be determined and before the dates specified in the withdrawal policy

Incomplete: An incomplete (I) will be assigned to a student who is doing passing work but finds it impossible, because of reasons beyond his or her control (such as illness) to complete the required work by the end of the term. The student must have attended class to within three weeks of the close of the semester or to within one week of the close of the summer session.

The instructor may specify the time by which the required work must be completed, which may be no later than the final class day of the corresponding term of the following academic year. For graduating students, an incomplete grade must be removed at least six weeks before December or May commencement or two weeks before August graduation. **Students may not graduate with incompletes on their record.**

When the incomplete is assigned, the student, faculty member, and the department chairperson must sign an incomplete removal form. The form will specify the date by which the work must be completed, the default grade (A, B, C, D, or F) which will be assigned if the work is not completed by the specified date, and the nature of the required work. If the instructor fails to file the appropriate grade change by the specified date, the incomplete will lapse to the default grade specified.

Exceptions to this policy may be granted by the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Auditors: An auditor does not participate in the activity of the class but is expected to attend regularly. A student may register as an auditor in a class or classes if space is available. An Audit (AU) designation will appear on the student's transcript when the instructor certifies that the student has attended the class on a regular basis. If the student has not attended regularly, a WX will be recorded on the transcript after the instructor has notified the Registration Office in writing that the student has not attended regularly. To audit, a student must obtain an Auditor's Permit from the Registration Office, have the instructor sign it, and present the form at the Registration Office. Students must register to audit a course by the tenth day of classes in the semester, with any exception having the approval of the chairperson of the department in which the course is offered and the Associate Vice President, Instruction, and Dean of Undergraduate Studies. The auditor fee is shown in the section on costs. Students who are registered for sixteen or more hours for credit may audit courses without additional fees. Audited courses are considered part of the student's total load.

Credit/No Credit Courses: Certain courses in the University are offered on a Credit/No Credit (CR/NC) basis only. For these courses, students receive a grade of CR (Credit) or NC (No Credit). The offering of a particular course on a CR/NC basis only must be approved in advance by the Office of the Provost.

Credit/No Credit Student Option (commonly called Pass/Fail): An undergraduate student (except a first-semester freshman) who is not on academic probation may choose to register in some courses under an option that allows the student to be graded on the basis of CT (Credit) or NC (No Credit) rather than on the basis of A, B, C, D, or F grades.

This CT/NC option is designed to encourage students to enroll in courses they otherwise would not take. Some courses, therefore, including those in a student's major or minor, may not be taken on the CT/NC option. Exceptions include courses in the student's major or minor field which are offered on a CR/NC basis only.

No more than six semester hours of work under the CT/NC option may be taken each semester, with a maximum of 25 semester hours under the CT/NC option presented for graduation. Although an entry of CT (credit earned under the option) or NC (no credit earned under the option) will be entered on the student's record, these entries are not used in computing the student's GPA.

Students who plan to enter graduate or professional schools should exercise caution in taking courses under the CT/NC option because courses completed on a pass-fail basis may adversely affect graduate admission opportunities. Such students should consult their academic advisor prior to taking courses on a pass/fail basis.

A grade of CT is recorded when the grade submitted by the instructor is A, B, or C. A grade of NC is recorded when the grade submitted by the instructor is D or F.

A student electing the CT/NC option should do so as part of the regular registration process. In no case may a student elect the option later than the tenth day of classes in the semester. Students who have elected the CT/NC option may return to the letter basis of grading before the last date for withdrawing from a course, as specified in the *Class Registration Directory*.

Academic Progress Alert

The Academic Progress Alert is an assessment of the undergraduate student's performance in each 100-level course in which the student is enrolled. This assessment will be mailed to the student during the ninth week of the semester.

Course Registration and Withdrawal

Course Registration: Students at Illinois State University register through STAR (a touch-tone registration system) or through SIAS (the Student Information Access System) on a computer terminal with Illinois State University mainframe access. Instructions for both methods are included in the *Class Registration Directory*.

Registration may be accomplished during the advance registration period or the additional registration periods prior to the start of the semester. For advance registration an entry notice, giving date and time of registration, will be mailed to the student's address approximately two weeks prior to advance registration.

Confirmation of Attendance: Students are requested to confirm their intention to attend Illinois State for the upcoming session. Advanced registered students will receive a copy of their schedule and a confirmation card regarding their intention to attend the University during the upcoming session several weeks prior to receiving a bill for that session. Students may confirm their intentions in one of three ways which will be available to students throughout the month of July for fall and December for spring. The options include: 1) completing and mailing the confirmation card; 2) accessing STAR; or 3) accessing SIAS.

Class Registration Changes: Detailed instructions for registration for courses are published each semester in the *Class Registration Directory*. There are two ways of registering for courses for the fall or spring semesters: (1) advance registration, which is conducted during the preceding semester, and (2) the registration period provided just before the start of classes each semester. Students are encouraged to register during the advance registration period because of the wider selection of courses open to them at that time. New freshmen and transfer students may register during summer Preview or Transfer Days and are encouraged to do so because of the wider selection of courses open to them at that time, or they may register just before the opening of the semester.

A student who is already registered for a particular semester and desires to change his or her program before the deadline for doing so should follow the instructions in the *Class Registration Directory*.

Withdrawal Policy--Dropping a Course or Courses: Students are strongly advised to complete all courses in which they enroll and are encouraged to avoid withdrawing from any course after the program change period unless absolutely necessary.

The following policy applies to students who drop a course or courses but maintain an enrolled status within the University:

A student may withdraw from a course during the program change period without the withdrawal being shown on the transcript. (A student should consult the *Class Registration Directory* to obtain specific dates.)

After the tenth day of classes, but prior to the end of the fifth week of classes during any regular semester, a student may withdraw from a full semester course with a grade of "WX" by complying with the following steps: (1) Obtain, complete, and sign a course withdrawal form; (2) Obtain the instructor's signature on the form; (3) Submit the form to the Registration Office.

A student should consult the applicable *Class Registration Directory* for specific withdrawal dates during any instructional term. For courses taken during a term less than a regular semester, a proportional withdrawal period will apply.

A grade of F will be given to students who (1) Fail to withdraw officially from a course in compliance with the above procedure; or (2) Register for a course but do not meet course requirements.

Upon the written recommendation of a licensed physician or clinical psychologist, or in other unusual circumstances, a student may be granted permission to withdraw officially from a course for medical, psychological, or other similar reasons after the official withdrawal period upon receiving approval from the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Withdrawal Policy--Dropping all Courses: The following policy applies when a student drops all courses in which he or she is enrolled, which is known as withdrawal from the University. *Students are advised strongly to complete courses in which they are enrolled and not to withdraw from the University unless absolutely necessary.* Before the end of the twelfth week of classes during any regular semester, a student reports to or writes to Academic Records and Course Services to withdraw from the University.

If a student's written request to withdraw from the University is granted, all grades will be assigned in the same manner and under the same provisions as the regular course withdrawal guidelines except that the student will not be required to contact his or her instructors. Instead, the instructor of each course assigns a WX, WP, WF or letter grade as appropriate depending on the date and circumstances of withdrawal. If medical or other reasons make it impossible for the student to follow the usual procedures, a letter requesting withdrawal that explains the situation, with appropriate verification and the student's signature, will be sufficient. Withdrawals made by mail are addressed to Academic Records and Course Registration Services, Illinois State University, Campus Box 2204, Normal, IL 61790-2204.

Regardless of the circumstances of withdrawal, the student is responsible for returning any laboratory equipment and library materials. The student will pay for any parking fines and remove the parking decal from any registered vehicle.

The student will contact the Office of Residential Life to obtain clearance from room and board obligations and to arrange for vacating the residence hall room. The student should arrange with the Financial Aid Office to place any scholarship on leave or cancel it and make arrangements for future financial assistance. Arrangements for payment of loans must be made in the Office of Student Accounts.

A grade of F will be given to students who 1) do not attend their courses but fail to withdraw from the University before the specified final withdrawal date and to students who 2) register for a course but do not complete course

requirements. In unusual cases, exceptions may be granted by the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Repetition of Course(s) Requirements: A student may repeat a course only once; that is, if a student completes a course, or drops a course after the tenth day of classes receiving a grade of WX, he or she may enroll officially in that course one additional time, and the repetition must occur at Illinois State University.

When a course that is acceptable toward graduation has been repeated, both the original and the subsequent grade (A,B,C,D,F) are included in the student's GPA. *The original grade will not be removed from the student's transcript, and the credit hours will count only once toward meeting minimum hourly requirements for graduation. Students who wish to repeat a course must do so at Illinois State University; courses taken at another college or university may not be used to repeat Illinois State University courses.*

Course Load Requirements: A full-time undergraduate student carries between 12 and 17 hours. For enrollment verification purposes, 12 hours is considered full-time for undergraduate students. A student wishing to carry more than 17 hours in a semester may seek permission to do so from the chairperson of his or her major department. The granting of this permission will depend on the student's scholastic record. A freshman may not carry over 17 hours during his or her first semester.

NOTE: First-term freshmen with ACT composite scores of 19 or less and students on academic probation may not carry more than 14 credits. Students who are employed more than 15 hours per week should consider reducing their course load correspondingly.

A student considering enrolling in any classes, including extension or correspondence, at another college or university with concurrent registration at Illinois State University should consult with his or her advisor.

Additional Academic Requirements

Class Attendance: The attendance regulation of the University is based on two principles: first, students are expected to attend class regularly; and second, students are primarily responsible to the instructor in matters pertaining to class attendance. Every student will be held responsible for class attendance and successful completion of academic work. Attendance regulations are intended to encourage student maturity and are based on the assumption that academic success is the student's primary goal in college.

The University will accommodate, within reason, students in circumstances where a religious observance requires absence from class. Students who are unable to attend class or take examinations for religious reasons should consult their instructors in advance about alternative arrangements.

Class Standing: Students in a bachelor's degree program are classified as freshmen, sophomores, juniors, and seniors. A student must have completed 30 semester hours to be classified as a sophomore, 60 hours to be classified as a junior, and 90 hours to be classified as a senior. Students not working toward a degree at Illinois State are listed as Unclassified Students.

Major Field(s) of Study: Students may select a major field of study at the time of admission unless the field they

choose has special admissions standards. Students who are undecided about a major field are classified as General Students and are encouraged to select a major field of study as soon as possible. The major and minor fields of study available at Illinois State are described later in the *Undergraduate Catalog*.

A student may complete the requirements for two majors, both of which will be identified on the student's transcript provided all requirements are completed in both majors and the degree is awarded. When a student double majors, the student indicates only one major for purposes of registration.

Unless otherwise specified in a particular program, students may use a specific course to meet requirements for a major and a second major.

Change of Primary or Secondary Major: A student wishing to enter a second major or change majors must consult the chairperson of the department offering the major.

Program Specific Admission Criteria: Illinois State University regulates admission to designated programs when the number of students seeking to transfer exceeds the available educational resources of the department or to raise the level of student preparation and qualification. Students may be required to meet supplementary selection criteria. **Supplementary selection criteria** may be based on scholastic achievement including prerequisite and University Studies coursework and may include auditions, portfolios, work experience, etc. The selection criteria can be obtained from the intended-major department advisor.

Dismissal from Major: A student who is placed on academic probation for a second or subsequent time will be dropped automatically from his or her major. The student dropped from the major will be classified as a General Student and will receive academic advisement from the Academic Advisement Center. In order to become a major in a department after being dropped, the student must be accepted by the department in which he or she desires to be a major.

Minor Field(s) of Study: Students often elect a minor field of study. A student may elect to complete the requirements for two minors, both of which will be identified on the student's transcript. A student wishing to enter a minor, second minor or change minors consults with the academic department(s) offering the minor. Unless otherwise specified in a particular program, students may use a specific course to meet requirements for a minor and a second minor.

Certification Programs: Students who fail to maintain the specific grade point average required by their teaching or other certification program may be dismissed from that program. At the option of the department, students dropped from the program may pursue a degree in their major or be classified as a General Student and will receive academic advisement from the Academic Advisement Center. To become a candidate for a certification program after being dropped, students must be accepted by the department in which they desire to pursue a certification program.

Grade Point Average: To be eligible for graduation, a student must have a minimum grade point average (GPA) of 2.0 (C) in all courses taken at Illinois State University for which grades of A, B, C, D, F, or WF are assigned. Failures are considered in the total number of semester hours taken in computing the GPA. The table below illustrates the counting of grade points to determine the GPA.

Grade Course	Grade	Sem. Hrs. Enrolled	Sem. Hrs. Earned	Sem. Hrs. For GPA	Grade Points
POS 105	D	3	3	3	3
BSC 145	CT	2	2	0	0
COM 110	A	3	3	3	12
MUS 139	I	1	0	0	0
CHE 102	B	3	3	3	9
HPR 133	WX	1	0	0	0
IDS 106	NC	1	0	0	0
		14	11	9	24

The GPA is computed by dividing grade points earned by semester hours counted for GPA. In the case above, a GPA of 2.66 is calculated by dividing 24 (total grade points) by 9 (semester hours for GPA). Grades of WX, CT, CR, I, and NC do not affect the GPA.

Academic Good Standing: To maintain academic good standing, a student must achieve a minimum cumulative GPA of 2.0. The number of *semester hours completed* includes all college work done by the student. However, *only the grades earned at Illinois State University* are used in computing the GPA.

For satisfactory progress for financial aid purposes, see Satisfactory Progress Policy. "Academic Good Standing" status is sufficient for continued enrollment in the University and may be necessary for eligibility to serve on various University committees and for participation in some co-curricular activities. Academic Good Standing status does **not** guarantee admission to, or retention in, specific departments or programs. Information concerning admission to and retention in specific programs is listed in the *Undergraduate Catalog* under the appropriate departmental or program descriptions.

Academic Probation: Students who fail to meet the above requirements are placed on academic probation. Information about the probation regulations or a student's own probation status may be secured from the Associate Vice President, Instruction, and Dean of Undergraduate Studies, 308 Hovey, Campus Box 4000.

Academic Dismissal: At the end of any semester, except for summer session, when a student goes on probation a second or subsequent time, he or she is dismissed from the University.

Academic Reinstatement: Students dismissed from the University may petition the Reinstatement Committee for permission to continue. Petition information is sent with the student's mailed report card if applicable. Failure to act upon such request within the deadlines specified in that information will assure non-attendance. Therefore, it is particularly important for students to keep their addresses current.

A student should expect to remain out of school for at least one calendar year before the Reinstatement committee will act on a request for reinstatement. Only students that have extenuating circumstances or errors in their academic record should plan to apply for reinstatement for the semester following their dismissal.

"Automatic" Reinstatement: Students who have not been on academic probation more than four times and earn a semester GPA of 2.10 or higher will be "automatically" reinstated to the University.

Repeated failures to do satisfactory work may result in **permanent exclusion** from the University.

New Start Option: Students who leave Illinois State in a degree program with less than a 2.0 GPA may return and begin with a new GPA calculated from the point of their reentry in three limited situations:

1. **Adult Learner Option:** Former Illinois State students at least 25 years of age may reenroll through this program as General Students. If they have attended any college (including Illinois State) in the three calendar years preceding reenrollment at Illinois State University, they must have achieved at least a 2.0 GPA for that college work attempted. Transfer credit will be evaluated and appropriately awarded, and a new Illinois State GPA will be calculated from the time of admission to the New Start-Adult Learner program.
2. **Veterans' Option:** Students who complete at least a one-year tour of duty and present a discharge for reasons other than dishonorable, and whose first attendance at a college or university after discharge is at Illinois State, are admitted. Students who are veterans may reenter Illinois State as general students. A cumulative GPA will be calculated from the point of admission to the New Start-Veterans' program.
3. **Community College Transfer Option:** Former Illinois State students who earned 60 or fewer hours at Illinois State prior to enrolling at a community college and who subsequently earn at least 30 hours and a currently accepted associate degree (A.A. or A.S.) from a community college with at least a 2.0 GPA may reenter as a General Student. The cumulative GPA will be calculated from the point of readmission. Transfer credit will be evaluated and appropriately awarded.

A student may exercise the New Start Option only once. Such students will have "New Start" indicated on their transcript. New Start will affect only the cumulative GPA. All grades earned at Illinois State, regardless of when earned, will be used in the calculation of the major GPA, the minor GPA, and graduation honors. Students who reenter under the New Start Option must follow the *Undergraduate Catalog* in effect at the time of reentry. To be eligible for graduation, a student must earn at least 30 semester hours at Illinois State University after exercising this option.

Academic Integrity

Plagiarism: The Modern Language Association's *MLA Handbook for Writers of Research Papers* defines plagiarism as follows:

- repeating another's sentences as your own,
- adopting a particularly apt phrase as your own,
- paraphrasing someone else's argument as your own,
- presenting someone else's line of thinking in the development of a thesis as though it were your own.

In short, to plagiarize is to give the impression that you have written or thought something that you have in fact borrowed from another. Writers may use another person's words and thoughts but must acknowledge them.

The penalties for plagiarism may be severe, ranging from failure on the particular piece of work, to failure in the course, to expulsion from the University in extreme cases. Faculty should refer cases of plagiarism and other examples of academic dishonesty to the Student Judicial Office.

ACADEMIC OPPORTUNITIES

PROFICIENCY AND PLACEMENT EXAMINATIONS

Students at Illinois State University may receive credit by examination through the following programs: College Level Examination Program (CLEP) General Examinations, Departmental Proficiency Examinations, CLEP Subject Examinations, and the Advanced Placement program. Students and prospective students are advised to plan their coursework and examination attempts carefully because they may not receive credit by examination in a course in which they have been enrolled on the tenth day of classes.

CLEP General Examinations: Illinois State University grants credit by examination toward University Studies for the College Level Examination Program under the following guidelines:

1. A student may receive credit for a maximum of 18 semester hours credit through CLEP General Examinations.
2. A student will be awarded 6 semester hours credit toward graduation and University Studies requirements for a score of 570 on the Humanities, a score of 610 on the Natural Sciences, and a score of 550 on the Social Sciences and History general examinations passed. Credit will be awarded as follows:

HUMANITIES

3 hoursFine Arts (Group 6)
and/or 3 hoursLiterature (Group 2)

NATURAL SCIENCES

3 hoursBiological Sciences (Group 3)
and/or 3 hoursPhysical Sciences (Group 3)

SOCIAL SCIENCES AND HISTORY

3 hoursSocial Sciences (Group 5)
and/or 3 hoursHistory (Group 2)

Credit is not available for the English Composition or Mathematics General Examination.

3. A student who desires to take the CLEP General Examinations should do so before enrolling for classes at the University.
4. Credit earned through the CLEP General Examinations shall count toward University Studies and graduation requirements only. A student may not use the CLEP General Examinations to raise grades or remove failures in courses already taken. All credit for CLEP General Examinations shall be considered credit at the 100-level.
5. A student who is awarded credit in one or more areas of the General Examinations should consult with his or her advisor to select other appropriate basic and advanced courses.
6. A student may not receive credit for both an area of the CLEP General Examinations and previously earned course credit of the same area. For example, a student

who earned course credit in the Fine Arts (Art, Music, Theatre) may not receive credit for a General Examination in the Fine Arts area. Also, credit will not be awarded for the General Examination areas in which credit is earned through Departmental Proficiency Examinations, Advanced Placement Examinations, or CLEP Subject Examinations.

7. Students may take the CLEP General Examinations at Illinois State at times scheduled by the University Assessment Office or any CLEP Open Test Center. A student may contact the University Assessment Office, 115 Julian Hall, Campus Box 2500, (309) 438-2135, for further information. A student who takes the CLEP examinations is responsible for the cost of the examination.

Departmental Proficiency Examinations: Departmental Proficiency examinations are provided in most 100-level and a limited number of 200-level courses. The purposes of the examinations are to allow students to receive credit for knowledge acquired previously and to allow students to enroll in more advanced courses or to add breadth to their academic programs. Proficiency examinations are optional and recommended only for students who are unusually skilled in the discipline in which the examination is taken. Specific information about the nature of a given examination should be obtained directly from the appropriate departmental office. Below are University guidelines and procedures relating to proficiency examinations:

1. The nature and content of each proficiency examination shall be determined by the department in which the course is offered. Standards of performance required for receiving credit in a given course also shall be determined by the department offering the course; the level and quality of work required for satisfactory performance on a proficiency examination is equivalent to that required for a grade of "C" in the course.
2. Academic departments shall provide proficiency examinations in most 100-level courses that are regularly listed in the *Undergraduate Catalog* and the *Class Registration Directory*. Students will find a list of courses in which proficiency examinations are offered in the *Class Registration Directory*.
3. A description of each proficiency examination should be available in the department offering the examination. Students should contact the appropriate department chairperson for information about a specific examination, including qualifying experiences.
4. All Illinois State University students are eligible to take proficiency examinations; however, students who have not completed 12 hours of accredited college or university coursework need written approval of the chairperson of the department in which the course is offered.
5. Letter grades will not be assigned for proficiency examinations; therefore, the GPA will not be affected.

6. Credit earned in proficiency examinations may not be used to raise grades or remove failures in courses in which a student has been enrolled previously.
7. No course credit will be awarded for a proficiency examination which is at a lower level than a course previously enrolled in or one which substantially duplicates the content of a course taken previously.
8. A student may take a proficiency examination only once.
9. A student may register for only one departmental proficiency examination each semester *unless* examinations are approved in writing by the chairs of the departments in which the courses are being offered.
10. Students with disabilities should notify the appropriate departmental office of the need for any special accommodations prior to the date of the examination.
11. A student should register for an examination by returning the completed application form from the *Class Registration Directory* to the Associate Vice President, Instruction, and Dean of Undergraduate Studies, 308 Hovey, Campus Box 4000.

CLEP Subject Examinations: In addition to the opportunities provided by the CLEP General Examinations previously described, several departments grant credit by examination in specific subject areas covered by CLEP Subject Examinations. Courses approved for credit under this program are History 101 and 102, Mathematics 145 and 146, Political Science 105 (includes U.S. Constitution only), Psychology 111, and Sociology 106.

The University Assessment Office, 115 Julian Hall, Campus Box 2500, (309) 438-2135 provides information about test dates and fees.

Advanced Placement Program: The Advanced Placement Program is sponsored by the College Entrance Board. The examinations are administered at designated high school testing centers. Students will be awarded credit or exemption as indicated.

A student who has taken Advanced Placement Program examinations should request that his or her scores be sent to the University Registrar at Illinois State University. To request grade reports for Advanced Placement Examinations completed, a student should write to Advanced Placement Exams, Box 6671, Princeton, NJ 08541-6671. In making the request, the student should include name, sex, date of birth,

the year in which the examination was taken, and the name and identification number of the college to which the grade report should be sent. Illinois State University's identification number is 1319. The College Board currently charges \$8.00 for this service.

NOTE: Students who have served at least one year of active duty and received an honorable discharge may receive credit for four semester hours of physical education and two semester hours of hygiene credit. To qualify for this credit, a copy of the DD0214 should be presented with the application for admission.

Advanced Placement Program			
Examination	Score for Credit or Exemption	Course for which Credit is Allowed	Semester Hours Awarded
American Government	5 or 4	POS 105	3 hours
American History	5, 4, or 3	HIS 135, 136	6 hours
Art Studio-General	5, 4, or 3	ART 100, 103	6 hours
Art Studio-Drawing	5, 4, or 3	ART 104	3 hours
Art History	5, 4, or 3	ART 150, 155, 156	9 hours
Biology	5 or 4	BSC 196 and 197	8 hours
	3	BSC 196 or 197	4 hours
Chemistry	5 or 4	CHE 140, 141	10 hours
	3	CHE 140	5 hours
Comparative Politics	4 or 5	POS 141	3 hours
Computer Science Test A	3	ACS/COM 140	3 hours
	4 or 5	ACS/COM 140 and ACS/MAT 166	6 hours
Computer Science Test AB	5, 4, or 3	ACS/COM 140 and ACS/MAT 166	6 hours
English Lang-Comp	5	ENG 101, 145	6 hours
	4	ENG 101	3 hours
English Lang-Comp	5	ENG 101, 104 or 105	6 hours
Literature	4	ENG 104, or 105	3 hours
European History	5, 4, or 3	HIS 101 and 102	6 hours
Latin	5 or 4	FOR Latin 116	4 hours
French Literature	5 or 4	FOR French 220	3 hours
French Language	5 or 4	FOR French 115 and 116	8 hours
German Language	5 or 4	FOR German 115 and 116	8 hours
German Literature	5 or 4	FOR German 216	3 hours
Spanish Language	5 or 4	FOR Spanish 115 and 116	8 hours
Spanish Literature	5 or 4	FOR Spanish 211	3 hours
Macro Economics	5 or 4	ECO 102	3 hours
Micro Economics	5 or 4	ECO 101	3 hours
Calculus Test BC	5, 4, or 3	MAT 145 and 146	8 hours
	2	Dept. review	
Calculus Test AB	5	MAT 145 and 146	8 hours
	4	MAT 145, 146, Dept. review	4-8 hours
	3	MAT 145	4 hours
Music Listening and Literature	5, 4, or 3	MUS 151	3 hours
Music Theory	5, 4, or 3	MUS 100	3 hours
Physics Test B	5, 4, or 3	PHY 108 and 109	10 hours
Physics Test C, Part I	5, 4, or 3	PHY 110	4 hours
Physics Test C, Part II	5, 4, or 3	PHY 111	4 hours
Psychology	5 or 4	PSY 111	3 hours

Special Academic Opportunities

HONORS PROGRAM

Corner of North Street and Fell, (309) 438-2559

The Honors Program offers highly talented students special opportunities to enhance their educational growth. Close personal attention is provided through specialized advisement, early registration, small honors sections, in-course honors, individualized programs, research, and independent study opportunities.

Incoming freshmen are invited into the Honors Program based on high school rank, ACT or SAT score, and extracurricular activities. Students who demonstrate exceptional academic promise may apply for early admission to the University and to the Honors Program at any time before high school graduation. Students already enrolled in the University and transfer students with a GPA of 3.3 or higher may be admitted to the Honors Program.

Lower Division Honors: The Honors Program offers honors sections in a number of classes in the University Studies program. Honors sections are designed to promote individual development. They are taught by some of the best faculty; class sizes are small and discussion is encouraged.

Certificate in University Honors: A student may earn the Certificate in University Honors upon completion of 12 hours of honors work including an Honors Colloquium or Undergraduate Research Participation (URP) project. The student must have an "A" or "B" in these courses, have a 3.5 overall GPA, and four semesters participation in the Honors Program at Illinois State University. The designation is recorded on the student's transcript and a certificate is awarded.

Departmental Honors: Graduates of the Honors Program who successfully complete a sequence of work beyond requirements in their major will have an honors designation included on their transcript and diploma.

Departmental honors are currently offered to students in all undergraduate majors. Students should consult departmental offices or the Honors Office for the specific requirements necessary in each department.

The designation is recorded on the student's transcript and diploma and is awarded at graduation.

University Honors Scholar: Graduates of the Honors Program meeting the following criteria will have the designation *University Honors Scholar* placed on both their transcript and diploma:

- Completion of at least 24 hours of honors work with no grade lower than "B."
- A minimum 3.65 GPA.
- 4 semesters participation in the Honors Program at Illinois State University.
- 2 different honors experiences from the following: a) Honors Colloquia, b) Honors Undergraduate Research Participation (IDS 285), c) Completion of departmental honors, d) Mentorship.

Presidential Scholars Program: The Presidential Scholars Program is a rigorous curriculum option with a public service component available to a select number of academically talented incoming honors freshmen. For further information refer to "Scholarships for Talented Students" under Financial Assistance.

Residential Program: Students within the Honors Program who choose to live in Honors House located in Atkin-Colby Hall may tailor their education to their individual needs through the Faculty Colleague program and Individualized University Studies. The Faculty Colleague option allows for the greatest flexibility in planning an individual four-year plan of study, in consultation with the Honors Office and a faculty member. The Individualized University Studies option allows a student to tailor most University Studies requirements to individual needs. Further information about the Honors Program may be obtained by writing the Director of Honors.

ACADEMIC HONORS

Dean's Lists: Undergraduates who meet high academic standards, as established by the college of their major, are included in a Dean's List issued each semester. Eligible students must complete 12 or more graded semester hours. Courses completed after the official end of the semester and courses taken with a CT/NC option will not be counted for this purpose.

The Dean's List for the Colleges of Applied Science and Technology, Arts and Sciences, Education, and Fine Arts will include those students whose grade point averages place them among the top ten percent of those students majoring within the college. The Dean's List in the College of Business will include only undergraduate students majoring in business who have completed 12 or more semester hours with an overall semester grade point in the top ten percent, and at least 3.33 GPA for all courses taken during the semester. Students whose majors do not place them in one of the five academic colleges and whose grade point averages are within the top ten percent of the University are identified on the list of the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Degrees with Distinction: A student must have completed at least 50 semester hours at Illinois State University to be eligible for a degree with distinction. Students who have an accumulated GPA of 3.90 through 4.00 are graduated *summa cum laude*; those with a GPA of 3.80 through 3.89 are graduated *magna cum laude*; and those with a GPA of 3.65 through 3.79 are graduated *cum laude*.

Students who qualify for these degrees with distinction wear a neck cord as part of their academic gown at Commencement, and their names appear in the Commencement program as being awarded degrees with distinction, and are acknowledged at graduation.

All grades earned at Illinois State University are counted in computing the GPA, except those earned during the spring or fall semester, if graduation requirements are completed then. Transcript notations of graduating *cum laude*, *magna cum laude*, and *summa cum laude* are based on the total GPA, including the final semester.

Degrees with Distinction are not awarded to second bachelor's candidates unless the second bachelor's includes at least 50 semester hours at Illinois State University.

Bone Scholars: The designation of Bone Scholar is the highest academic distinction that can be achieved by undergraduate students at Illinois State University. Several students are designated annually as Bone Scholars, in honor of former President Robert G. Bone. Bone Scholars are students who combine superior academic records with full personal development through campus and community activities. Nominations to this honor are made by faculty members, and selection of new Bone Scholars is conducted under the aegis of the Honors Program.

THREE-YEAR DEGREE PROGRAMS

There are several academic programs that can be completed in three years with careful planning and hard work. Each is an ambitious program requiring a rigorous college-oriented high school curriculum. Special academic advisors are available in each program for early and comprehensive counseling throughout the programs.

Further information about three-year degree programs can be obtained by writing to the Three-Year Degree Option advisor, Campus Box 6100, Normal, IL 61790-6100, or calling (309) 438-2559.

CONNECTIONS

CONNECTIONS is a special program for freshman students at Illinois State University. It is a program designed to facilitate the transition to college through increased interaction with faculty and other students and through closer connections between classes and extracurricular campus life. In higher education, programs similar to CONNECTIONS are known as learning communities. Students in learning communities typically take some courses together, have the same academic advisor, and participate in special curricular and extracurricular programming.

These programs have been beneficial in helping students adjust to college life, establish friendships with classmates, enjoy greater coherence in their courses, and develop ties between classroom and extracurricular activities. Universities that have implemented learning communities have found them to have beneficial effects on the academic accomplishments and graduation rates of participants. For more information on CONNECTIONS contact the Academic Advisement Center at (309) 438-3859.

PROFESSIONAL PRACTICE

(Cooperative Education and Internships)

Counseling and Career Services, Student Services Building, (309) 438-2200

The nationally recognized Professional Practice program offers academically qualified students an opportunity to integrate classroom study with one or more terms of paid or unpaid learning experience in a work environment related to the student's academic and career goals. Nearly 4000 organizations in the U.S. and foreign countries have served as learning sites.

Cooperative Education, one form of Professional Practice, is an educational pattern which allows students either alternating or parallel periods of campus study and paid, educationally related work experiences.

Internship, the other form of Professional Practice, is usually unpaid and typically occurs only once during a student's undergraduate career.

Students interested in enrolling in Professional Practice (Cooperative Education or Internship) should contact their department coordinator or the Professional Practice Office in the Career Services Center early in their undergraduate career so that credit-generating work experiences can be arranged well in advance of placement. A maximum of 16 semester hours may be used toward graduation at the undergraduate level.

UNDERGRADUATE TEACHING ASSISTANTS

Undergraduate Teaching Assistantships (UTA) are available in nearly all departments of the University to juniors and seniors who have demonstrated excellence in a particular discipline and high overall scholastic achievement. The purpose of the program is to assist the faculty in the improvement of instruction and to provide UTAs with a valuable learning opportunity.

Undergraduate Research Assistantships (URA) are available in selected departments for students who have demonstrated excellence in a particular discipline with significant potential in research. The purpose of the program is to work closely with faculty members and to provide students valuable opportunities for research.

The responsibilities and nature of the UTA and URA assignments are determined by the departments and colleges. Some departments provide the opportunity for credit to be earned by the UTA under a General Offerings course (291 Seminar: Undergraduate Teaching Assistants). Three hours is the maximum amount of this credit that may be allowed for graduation. Application forms are available in the departmental and college offices.

INTERNATIONAL STUDIES AND PROGRAMS

Fell Hall, Rooms 301-311, (309) 438-5365

The Office of International Studies and Programs provides services for students and faculty, international students and faculty, residents of International House, and participants in the National Student Exchange. It also assists academic departments with intercultural programs.

The Office of International Studies and Programs maintains current information on student travel and study abroad and a reference library outlining international opportunities. This office also serves as a meeting place for students and faculty who are planning or have recently returned from trips abroad.

Study Abroad (311 Fell Hall): In keeping with the tradition of a liberal education, Illinois State strongly encourages qualified students to consider studying in another country. The purpose of Study Abroad is to enable the student to gain a direct understanding of the intellectual and cultural achievements of another culture. In this way, Study Abroad may contribute toward intelligent citizenship in the world community. Academic programs for a summer session, a semester, or a year abroad are available to Illinois State students.

The University operates many study centers abroad. These centers are located in Salzburg, Austria; Bonn, Germany; Angers, France; Canterbury, Leicester, Sunderland, Wolverhampton, and Eastbourne, England; Stirling, Scotland; Florence, Italy; Madrid, Spain; Cardiff, Wales; Perth, Western Australia; Nagoya, Nakajo, Kansai, Japan; Uppsala, Sweden; Vladimir, Russia. The programs at these centers are designed to be a continuation and enrichment of a student's regular on-campus academic program. Students who are accepted in these programs remain full-time students at Illinois State, and all courses offered at the centers are part of the Illinois State University curriculum. Thus, students at these centers carry a full academic load for a semester or a year and retain full status as regular students at Illinois State. The major part of the teaching is done by instructors from the host university who lecture in English.

Most of the courses offered abroad meet University Studies or major/minor field requirements. The sophomore

and junior years usually offer the greatest curricular flexibility for those who wish to study abroad. Some programs are more suitable for advanced study and therefore more appropriate for seniors. Anyone interested in Study Abroad should consult with advisors in the Office of International Studies and Programs.

Numerous summer opportunities are available for Study Abroad. Study programs are offered by a wide variety of disciplines including Agriculture, Anthropology, Art, Business, Criminal Justice, Education, Foreign Languages, History, Industrial Technology, Political Science, and general studies. Summer Study Abroad programs have, in recent years, taken students to Asia, Europe, Great Britain, Latin America, the Near East, and Russia.

We encourage students (as early as freshman year) to visit with an I-Studies advisor to determine which courses they should reserve for study abroad. This ensures the program will not deter students from graduating on time.

International Student and Faculty Advising (308 Fell Hall): The Office of International Studies and Programs also provides services to all students and scholars who are citizens of other countries.

The international advisor provides assistance to foreign students and faculty who must comply with U.S. Immigration and Naturalization regulations, coordinates campus and community resources and services, and interprets international students' needs and problems to the institution's officials and faculty. The advisor also assists with personal and academic problems, financial aid, hospitality, and housing.

New international faculty and all international students enrolling in the University for the first time should contact the Office of International Studies and Programs in 308 Fell as soon as possible following their arrival on campus.

International House: International House is a coeducational residence and academic program center for both American and international students. The purpose of the House is to promote cultural interaction and international understanding through social and educational programs. This setting provides opportunities to develop friendships and to encourage mutual respect among students of diverse backgrounds and cultures.

NATIONAL STUDENT EXCHANGE

306 and 308 Fell Hall (309) 438-5365

The National Student Exchange was founded in 1968 by Illinois State University along with two other institutions to make possible educational experiences in cultural and geographic settings different from the students' home institutions. The exchange of students among institutions is intended to enrich the educational experience of all those involved. Students, preferably sophomores and juniors with a 2.5 cumulative GPA, may study for up to one year at any of the colleges and universities listed below. Illinois State University students pay Illinois State's tuition while attending the host school. Financial aid is applicable to this program. Applications for placement for the following academic year are available from approximately mid-October to February 1.

Institutions involved in this exchange are Alabama A & M University, Alabama State University; Boise State University (Idaho); Bowie State University (Maryland); Bowling Green State University (Ohio); California State Polytechnic University, Pomona; California Polytechnic

State University, San Luis Obispo; California State University, Bakersfield; California State University, Chico; California State University, Dominguez Hills; California State University, Fresno; California State University, Hayward; California State University, Los Angeles; California State University, Northridge; California State University, San Bernardino; California University of Pennsylvania; Central Washington University; Christopher Newport University; College of Charleston (South Carolina); East Carolina University (North Carolina); East Central University (Oklahoma); East Stroudsburg University of Pennsylvania; Eastern Connecticut State University; Eastern New Mexico University; Eastern Oregon State College; Florida International University; Florida State University; Fort Hays State University (Kansas); Fort Lewis College (Colorado); Grambling State University (Louisiana); Humboldt State University (California); Hunter College, City University of New York; Idaho State University; Illinois State University; Indiana University of Pennsylvania; Indiana University-Purdue University, Fort Wayne; InterAmerican University, Puerto Rico; Johnson State College (Vermont); Louisiana State University; Mankato State University; Mesa State College (Colorado); Michigan Technological University; Montana State University; Moorhead State University (Minnesota); Morehead State University (Kentucky); Murray State University (Kentucky); New Mexico State University; North Carolina Central University; North Carolina State University; Northeastern Illinois University; Northern Arizona University; Northern State University (South Dakota); Oklahoma State University; Oregon State University; Portland State University (Oregon); Rhode Island College; Rutgers College; Rutgers University (New Jersey); Sonoma State University (California); South Carolina State University; South Dakota State University; Southern Oregon State College; Southern University (Louisiana); Southwest Missouri State University; St. Mary's College of Maryland; SUNY College at Buffalo (New York); SUNY College at Plattsburgh; SUNY College at Potsdam (New York); SUNY University at Stonybrook (New York); The College of New Jersey; Towson State University (Maryland); Universidad del Sagrado Corazon; University of Alabama; University of Alaska Anchorage; University of Alaska Fairbanks; University of Alaska Southeast; University of Connecticut; University of Delaware; University of Georgia; University of Guam; University of Hawaii at Hilo; University of Hawaii at Manoa; University of Idaho; University of Maine; University of Maine, Farmington; University of Maine, Fort Kent; University of Maryland, College Park; University of Massachusetts, Amherst; University of Massachusetts, Boston; University of Memphis; University of Minnesota, Twin Cities; University of Missouri-Columbia; University of Missouri-St. Louis; University of Montana; University of Nebraska, Kearney; University of Nevada, Las Vegas; University of Nevada, Reno; University of New Hampshire; University of New Mexico; University of New Orleans; University of North Carolina, Wilmington; University of North Texas; University of Northern Colorado; University of Northern Iowa; University of Oregon; University of Puerto Rico, Cayey; University of Puerto Rico, Humacao; University of Puerto Rico, Mayaguez; University of Puerto Rico, Rio Piedras; University of Rhode Island; University of the Sacred Heart (Puerto Rico); University of South Carolina; University of South Dakota; University of Southern Colorado; University of Southern Maine; University of Texas at El Paso; University of Texas at San Antonio; University of Utah; University of the Virgin Islands; University of West Florida; University of Wisconsin-Eau Claire; University of

Wisconsin-Green Bay; University of Wisconsin-River Falls; University of Wyoming; Utah State University; Virginia Commonwealth University; Virginia State University; Virginia Tech; Washington State University; West Chester University of Pennsylvania; West Virginia University; Western State College of Colorado; Western Washington University; Westfield State College (Massachusetts); William Paterson College of New Jersey; Winthrop University (South Carolina). Others are joining the program each year.

Preparation for Graduate and Professional Study

Requirements for admission to advanced study vary according to the profession as well as among the schools. Thus, a student planning to enter a professional school should seek specific admission information from the school he or she plans to attend. Preparation for admission to a professional or graduate school consists of: (1) a broad educational experience, (2) courses which meet the specific admission requirements of the school the student plans to attend, and (3) major and minor subjects which allow for concentrated study in a field of interest and which provide an alternative career direction if that becomes desirable.

GRADUATE STUDY

Students interested in graduate study at Illinois State University should consult the *Graduate Catalog* for admission requirements and available programs. Further information may also be obtained from departmental offices and the Graduate School Office in Hovey Hall. Illinois State offers a comprehensive range of master's degree programs, a Specialist in School Psychology degree and doctoral-level programs in Biological Sciences, Curriculum and Instruction, Educational Administration, English, History, Mathematics Education, School Psychology, and Special Education. University telephone numbers and World Wide Web addresses: Directory Assistance (309) 438-2111, <http://www.ilstu.edu/>; Admissions Office (309) 348-2181, <http://www.ilstu.edu/depts/admissions/>; Graduate School (309) 438-2583, <http://www.grad.ilstu.edu/grad/home.htm>.

PROFESSIONAL STUDY

Health Professions

Preprofessional programs for health-related professional colleges usually imply a major in one of the departments in the College of Arts and Sciences. Majors in Biological Sciences or Chemistry are usually elected because several specific preprofessional course requirements can be applied toward a major in these fields. However, a major in any one of a number of other departments in the College is appropriate for many students who have a specific career goal in mind. Economics, Foreign Languages, Mathematics, Physics, Psychology, Sociology, and Speech Pathology and Audiology are several examples of academic areas which have application to specialties within the health professions.

Minimum admission requirements to colleges of Medicine, Dentistry, and Veterinary Medicine are discussed below. Further information about admission procedures to these and other health related professional colleges can be obtained by contacting Carol Morton Schmidt in the Department of Biological Sciences.

Medicine: Admission requirements of individual medical colleges are set forth in *Medical School Admissions Requirements - United States and Canada*. Orders for this book should be addressed to:

Association of American Medical Colleges
2450 N. Street, NW, 3rd Floor
Publications Department
Washington DC 20037-1129
Phone: (202) 828-0416

Specific course requirements of medical schools in the State of Illinois can be met by taking the following courses:

Chemistry 140, 141, 230, 231, 232, 233
Biological Sciences 196, 197
Physics 108, 109
Behavior Sciences (9 hours)
Mathematics 145, 146 are recommended

Other specific course requirements are usually met by completion of the University Studies program. It should be understood that a careful selection of University Studies and elective courses beyond the specific admission requirements can make the applicant more competitive.

Although a few students are accepted for enrollment in medical college after completion of 90 semester hours, they are distinct exceptions. Most students should anticipate the completion of the requirements for a bachelor's degree with the following approximate timetable:

1. Completion of specific course requirements by the end of the junior year.
2. Medical College Admission Test taken in April of the junior year.
3. Medical College application process begun in June, preceding senior year.

Dentistry: Admission policies of individual dental schools are set forth in *Admission Requirements of U.S. and Canadian Dental Schools*. Book orders should be addressed to:

American Association of Dental Schools
1625 Massachusetts Avenue, NW
Washington, D.C. 20036
Phone: (202) 667-9433

With the completion of the University Studies program, the following courses would meet the minimum specific course requirements for Illinois dental schools:

Chemistry 140, 141, 230, 231, 232, 233
Biological Sciences 196, 197
Physics 108, 109

Most students enter dental school after three or four years of preprofessional studies. The minimum requirement for admission to dental schools in the State of Illinois is two years of college, even though most such applicants are unsuccessful. It is therefore advised that students anticipate at least a three-year program with the following timetable:

1. Completion of specific course requirements by the end of the sophomore year.
2. Dental Admission Test taken in April of the sophomore year or October of the junior year.
3. Dental college application process begun in the fall of the junior year.

Veterinary Medicine: Illinois residents find it exceedingly difficult to gain admission to colleges of veterinary medicine outside the state. Students should therefore direct their attentions largely to the admission policies of the University of Illinois College of Veterinary Medicine.

Specific course requirements: 3 semesters of Biology with laboratory including Genetics, 3 semesters of Chemistry including Organic Chemistry and Biochemistry, 2 semesters of Physics, 1 semester of English, 4 semesters of Humanities and Social Sciences, and 1 semester of Animal Science. Some two-year students are accepted, but the majority of successful candidates have 3 or 4 years of preprofessional study. The student is therefore advised to plan his or her program for completion of the requirements for admission to veterinary college by the end of the sophomore year. A 4-year program leading to a bachelor's degree should be anticipated in the event that early application to veterinary college is not successful.

Nursing: No major in nursing exists at Illinois State University. Students wishing to pursue the B.S.N. degree may complete the prescribed pre-nursing courses at Illinois State and then seek admission to the Mennonite College of Nursing in Bloomington. Students should apply for the Mennonite program after their freshman year. Admission to the nursing program is competitive. For further information, contact the Academic Advisement Center.

Engineering

Illinois State University shares an Affiliated Engineering program with the University of Illinois. Students begin at Illinois State and transfer to U of I after 90 hours. They receive a B.S. in Engineering from U of I upon completion of their Engineering requirements. They receive a second B.S. in Physics from Illinois State upon transferring back 30 approved hours from U of I.

The Affiliated Engineering program is listed under the Physics programs section of the *Undergraduate Catalog*. This five-year program has greater depth than the average Engineering curriculum and provides students with the additional mathematical and scientific foundations needed to participate in the rapidly changing technologies of the future. The first years of this program are also suitable preparation for transfer to most Engineering schools.

Due to the sequential nature of Engineering curricula, it is important that appropriate course selections be made. Interested students should contact Dr. George Skadron in the Illinois State University Department of Physics early in their academic careers for help in planning an appropriate plan of study.

Law

Law schools do not require any specific courses or undergraduate majors. A committee of the Association of American Law Schools has recommended that the pre-law student keep in mind three basic objectives in planning an undergraduate program: education for articulate oral and written expression; education for greater understanding of human institutions and values; education to develop the skills of conceptual analysis. The committee has emphasized the need for a broad, liberal education which develops the student's intellectual interests rather than an education directed too pointedly toward later professional training and practice.

Students planning to apply for admission to Law school should consult the University's pre-law advisor, Mr. Denis Thornton, Department of Political Science, for assistance in selecting appropriate majors and valuable electives, and for information about the Law School Admissions Test.

Social Work

The profession of Social Work recognizes three academic levels of preparation for practice. The first level is that

provided by Illinois State University's undergraduate Social Work major. Students completing this major will hold a baccalaureate degree qualifying them for the beginning level of Professional Practice, (see the Comprehensive Major in Social Work). A secondary objective of the Illinois State University Social Work Major is to prepare students for advanced study at the second or graduate-level of preparation. Graduates of this advanced program receive a Master of Social Work (M.S.W.), which is considered a terminal degree in the profession. For those students desiring to teach, to conduct independent research, or to attain administrative positions in the professional field, a growing number of graduate schools offer a third level of preparation which is the Doctor of Social Work (D.S.W.) or Ph.D. in Social Work. Illinois law now includes provisions for licensing individuals with either a bachelor's or master's degree in Social Work.

Students interested in graduate training in Social Work, either immediately upon graduation from Illinois State University or after work experience, are urged to consult the Social Work advisor in the Department of Social Work.

The Illinois State University Social Work program is accredited by the Council on Social Work Education. This accreditation provides advantages to students seeking employment and graduate education in Social Work.

Teaching

Undergraduate students interested in preparing for teaching careers in the public schools should consult the College of Education section of the *Undergraduate Catalog* or contact the Teacher Education Coordinator of the department in which they desire certification. Students interested in preparing for teaching careers in colleges and universities or contact the Office of Clinical Experiences and Certification Processes, 310 DeGarmo Hall, for information about admission to the Teacher Education programs of the University and certification requirements. Students interested in preparing for teaching careers in colleges and universities should consult academic advisors in the discipline in which they plan to teach for information concerning appropriate graduate degree preparation.

Additional University Services

MATHEMATICS TUTOR CENTER

330 Stevenson, (309) 438-8781

The Mathematics Tutor Center provides tutorial assistance to students enrolled in courses in Mathematics. Intensive remedial assistance is not provided. Interested students and faculty should contact the Mathematics Department for additional information.

MICROCOMPUTER LABORATORIES

Microcomputers for doing work outside of class and for writing papers are available to students in microcomputer labs at various locations on the campus. Students can use PC (IBM compatible) and Apple Macintosh computers to engage in word processing, graphics, spreadsheets, database management, and instructional programming. All labs are networked to both Illinois State University resources and the Internet. Tools such as email, world wide web browsers, and telnet programs are available.

A number of the larger microcomputer facilities are called "general purpose" labs and are available to all students holding a valid Illinois State University identification card. A tuition technology fee is used in part to support these services. General purpose labs have both PC and Macintosh workstations and are located in:

Milner Library 213B
110 Microcomputers
Open 24 hours a day (145 hours weekly)

Instructional Media Services
40 Microcomputers

Julian Hall 217
75 Microcomputers
Open 24 hours a day (138 hours weekly)

Stevenson Hall 250
191 Microcomputers

Twenty-seven other specialized microcomputing labs, containing almost 1000 microcomputers, associated with specific academic departments are also available. Access may be restricted to times when the facility is not being used for classes or students enrolled in computer-intensive courses.

Remote Computer Access

Facilities are available for accessing ISUNet and the Internet via a modem hooked to a personal computer from the residence halls and those residing off campus. Software is distributed by User Services which provides for email, world wide web browsing, library catalog and database searching, and for connecting to remote machines. This service utilizes the fastest possible analog modems for high speed access from phone lines.

INSTRUCTIONAL TECHNOLOGY SERVICES

Instructional Technology and Development Center, (309) 438-3694

Instructional Technology Services (ITS): Assisting faculty and students in attaining instructional and educational goals, ITS offers many opportunities to incorporate media into classroom and other instructional situations. ITS also supports the two-way interactive distance learning program. The service and production units of Instructional Technology Services are described below:

Instructional Technology Development: The Instructional Technology Development service includes support for enhanced classroom presentation, for multimedia and interactive projects, and for other applications of technology. The instructional developer coordinates development teams which can include, in addition to the faculty member(s), graphic designers, audio and video producers, programmers, classroom technology specialists, and others.

Instructional System Services (ISS): Located in the Nelson Smith Building, ISS is responsible for a variety of academic support services by providing audiovisual equipment for on-campus use through its main office and five satellite centers. The audiovisual technicians at ISS will provide training in the use of the audiovisual equipment and systems. ISS supports campus cable, alarm installation, teleconferencing, and audiovisual and office equipment repair. In addition, ISS is responsible for the design, installation, training and maintenance of the high technology classroom systems. The division is also available for

consultation on the purchase, installation, and type of classroom equipment to be used by the University community.

Graphic Production: Assistance is provided to faculty and staff for planning, developing, and producing graphic materials for instruction, training, exhibits, research, www and other electronic applications, as well as academic needs.

MediaLab: The MediaLab offers a wide variety of hands-on services for faculty and students to use in their preparation of teaching materials and in training for operation of media equipment. A computer lab emphasizes integration of text and graphics on Macintosh hardware and software. A PC lab is also available for limited hours.

Television Production: Located in the Old Union Building, the ITS-TV offices and studio produce educational, promotional and special event video programs for faculty and administrative units. Services include project planning, scriptwriting, in-studio and remote recording, narration and editing. Videotape duplication services are also available in a variety of formats. On-campus videoconferences can be scheduled through the "Telelink" Coordinator within the Television Production area.

UNIVERSITY GALLERIES

Center for Visual Arts, (309) 438-5487

Founded in 1973, University Galleries is among the largest public exhibition spaces in downstate Illinois devoted to presenting a wide survey of contemporary art. University Galleries is a unit of the College of Fine Arts and is located in the Center for the Visual Arts building. The main focus is generating traveling innovative exhibitions featuring locally, regionally, and nationally known artists working in a variety of mediums, styles and conceptual approaches. Regularly scheduled exhibitions include Illinois State University faculty, student, and alumni artwork, as well as selections from permanent collections of over 2,000 twentieth-century paintings, drawings, prints, sculptures, photographs, and objects in glass, metals, wood, fiber, and ceramic. University Galleries publishes illustrated catalogs that are distributed worldwide, and are available at a discount to all students, staff, and faculty.

In addition to exhibitions, University Galleries presents extensive educational programs open to the University and general community, including artist lectures, panel discussions, workshops, films and video, guided tours, research and study facilities, informational brochures, classes, and internships. The facilities are also used to host meetings, dance and music events, plays, performances, lectures, readings, and films for a variety of University and community groups.

UNIVERSITY MUSEUMS

The **Eyestone School Museum**, a renovated 1900 one-room school is located at Adelaide and College Streets.

The **Stevenson Memorial Room**, on the first floor of Stevenson Hall, displays memorabilia of the Stevenson family with particular emphasis on Adlai E. Stevenson II.

The **President's Gallery**, located on the fourth floor of Hovey Hall, features a rotating series of exhibitions highlighting the University's art collections.

PLANETARIUM

Corner of School Street and College Avenue, (309) 438-2496

The Illinois State University Planetarium is administered by the Department of Physics and is located at the

east end of Felmley Hall. This celestial theatre-in-the-round provides a unique environment that is used by astronomy and other University classes. Primary and secondary school students can select from a variety of programs or have special programs tailor-made to suit their specific interests. In addition, regular public shows are scheduled providing a popular form of enriching entertainment. The 30-foot domed structure seats 110 individuals and houses a Spitz A-3P star projector. The star projector and various other multi-media effects are used to recreate the wonders of the universe.

Admission to regular planetarium programs is \$1.50 for all Illinois State University faculty, staff, and students presenting an identification card. Admission for the general public is \$2.00 for adults, \$1.50 per children ages 5 through 12, and \$1.00 for preschoolers. For further information about current offerings and arranging special presentations contact Carl J. Wenning, Planetarium Director, at (309) 438-2496, or access the planetarium's World Wide Web home page at: <http://www.phy.ilstu.edu/planet.html>.

UNIVERSITY RESEARCH OFFICE

310 Hovey Hall, (309) 438-2528

The University Research Office (URO) is the coordinating center for faculty, staff, and students who engage in activities financially supported from federal, state, or private sources to conduct research, instruction, and creative or public service activities. Projects supported from external sources constitute an important part of the University's academic programs of instruction, research, creative endeavor, and public service. The URO serves to facilitate these programs and is the designated liaison between Illinois State University and sponsoring agencies. The office has signature authority for grants and contracts. The URO is responsible for submission of grant and contract proposals, post award administrative management of funded programs, and compliance with state and federal regulations pertaining to sponsored activities.

INSTITUTIONAL ADVANCEMENT

401 Hovey Hall, (309) 438-7681

Alumni Services: The Alumni Services offers activities and assistance to Illinois State University alumni and coordinates all programs of the 125,000 member Alumni Association. With offices in the Bone Student Center and on Michigan Avenue in Chicago, Alumni Services' primary goal is to act as liaison between the University and its alumni locally, nationally, and throughout the world.

The Illinois State Alumni Association sponsors or co-sponsors a variety of services and events to encourage alumni to remain involved with their alma mater, including,

- *Illinois State Today*, the alumni newspaper
- Geographic chapters
- Affinity clubs
- Reunions, Homecoming, special events
- An auxiliary office in downtown Chicago
- Credit cards
- Insurance opportunities
- Awards
- Alumni records and directory services

In 1993 the Association launched an exclusive alumni membership organization called *Alumni Plus*, which provides additional benefits to alumni and helps support the activities of the Association.

Current students have the opportunity to become involved through the Student Alumni Council (SAC), a registered student organization with headquarters in the Alumni Services Office in Bone Student Center. SAC is open to all undergraduates and serves to link Illinois State University's past, present, and future. Members of the organization are active in many campus events and help to promote university pride.

Development Office: The Development Office director and major gifts staff are located in 401 Hovey Hall. The Office of Development is responsible for coordinating long-range programs to encourage private giving from the broad range of the University's constituencies, i.e. alumni, parents, students, faculty and staff, friends, and corporations and foundations. The financial support generated through private giving provides the margin of excellence for Illinois State by providing resources for scholarships, faculty rewards, departmental programming; facilities and equipment; and endowments.

Advancement Services: Located in Rambo House, Advancement Services provides support related to alumni and development programs and activities, including maintenance of the Alumni-Development Information Network (ADIN). The ADIN contains the biographical records of Illinois state University alumni and all donors to the University (over 200,000 records) and also the general ledger for the accounting of the Illinois State University Foundation through which all donations are processed. The database supports the private fundraising activities of Institutional Advancement and other campus units. Advancement Services also provides assistance to development staff and others on campus through research related to donor prospects and other private fun-raising efforts.

Donor relations, located in Hovey Hall 401, includes Stewardship Services, development, and events, and is responsible for thanking and recognizing donors to the University. This unit manages an established major donor club plan and assists with cultivation events throughout campus.

Illinois State University Foundation: The Illinois State University Foundation is a not-for-profit corporation chartered by the State of Illinois for the sole purpose of soliciting, receiving, holding, investing, and administering gifts, grants, real property, historical papers, collections, and other materials which support and enhance educational opportunities at Illinois State University. It also supports an office in Chicago and oversees the management of Ewing Manor.

Unrestricted gifts enable the University to achieve a higher level of quality because the resources can be distributed where the need is greatest. However, gifts and grants may be designated to support specific colleges, departments, and educational programs.

Bequests, charitable remainder trusts, and other planned and deferred gifts are also processed through the Foundation. Policies for the Illinois State University Foundation are overseen by an elected Board of Directors, comprised of alumni and friends of the University.

All gifts made to the Illinois State University Foundation are tax deductible as provided by law. Further information about the Foundation may be obtained by contacting the Vice President for Institutional Advancement or the accounting/records staff in Rambo House.

University Communications: University Communications is composed of the following offices and programs: Publications, Printing Services, Licensing, Marketing and Editorial Projects, Copier Program, and Promotional Video.

The Publications Office consults with requesting University units regarding their communication needs and works toward meeting those marketing needs while maintaining a quality project that best represents both unit and university through an established program of editorial and graphic standards.

Printing Services offers in-house printing at the Nelson-Smith Building and at the Rapid Print Centers in Old Union Building and DeGarmo Hall.

Licensing secures protection for the University's various intellectual properties, promotes the identity of the institution by granting licenses to use properties, and generates revenue from royalties paid by those who license the properties.

Editorial Projects produces various periodicals that promote Illinois State. Examples of this effort include *The Illinois State Community*, *Illinois State Scholar*, *Illinois State Today*, the University's annual report, *Points of Pride*, and *Competitive Advantage*.

The copier program through a contract with Xerox Business Services supplies copy equipment to campus offices and departments. Based on volume usage and specific needs, users are provided equipment to meet their needs including an automated reporting package to record number of copies.

Through an agreement with Instructional Technology Services/TV Productions, promotional videos are produced that support special events, student recruitment, alumni relations, and fund raising efforts.

A marketing communications campaign is conducted throughout the University to examine and enhance communication with specific audiences—alumni, employees, current students, potential students, parents, media, and donors, and the community. Teams have been created to undertake the analysis and to make recommendations.

Media Relations/News Service: The Media Relations/News Service Office, located in Hovey Hall, produces and distributes information about Illinois State University to the news media and to faculty and staff through the News Service, the Illinois State Hotline, and the Illinois State

Radio Service. Media Relations/News Service acts as a liaison with reporters and assignment editors, plans news conferences and coordinates external communication to the news media.

The News Service prepares news releases and stories featuring the faculty, staff, students and programs at the University. The Office also publishes *Report*, a weekly newsletter for faculty and staff. The News Service matches reporters with faculty and staff experts on a vast spectrum of subjects through the News Service *Resource Book* and through Profnet, a public relations tool on the Internet.

The Illinois State Hotline, (309) 438-8371, provides anyone with a telephone a quick source of information about important news at Illinois State University. The messages are updated frequently and contain information about upcoming events and news headlines for the campus community.

Using faculty and staff experts, the Illinois State Radio Service provides broadcast quality stories to more than 125 radio stations in Illinois, Wisconsin, Iowa, and Missouri. Radio stations use a toll-free number to access the service which is updated each week.

Media Relations/News Service also offers an on-line page on the World Wide Web that includes news releases; *Report*; and *Access*, a guide to using the services of Media Relations/News Service. The Web address is www.ilstu.edu/depts/mediareel/.

WGLT: Located in the Old Union Building, (309) 438-2255 or (309) 438-8190, WGLT (89.1 FM) is a full-service public radio station licensed to Illinois State University and serving audiences in Central Illinois. An affiliate of National Public Radio, WGLT's music is primarily jazz and blues. WGLT also includes coverage of local news and issues, as well as area concerts. WGLT produces many programs and interviews which feature Illinois State University faculty, staff and administrators.

University Events Coordination: University entertainment, including such events as Homecoming and Founders Day, is coordinated in the Division of Institutional Advancement, as well as cultivation and public relations events hosted by the University President and other campus units and staff.



UNIVERSITY STUDIES PROGRAM

The University Studies program provides a core of fundamental knowledge, skill, and understanding. The content of University Studies courses is important to the educated lay person rather than to the specialist in the field, although this does not mean that all courses in the program are introductory or non-technical in nature. The program is designed to meet each of the following goals:

- to provide personal enrichment.
- to offer a systematic design for further learning.
- to be broad in scope rather than focused on a narrow portion of a discipline.
- to reflect major values and ideas and to offer the opportunity to examine such values and ideas.
- to assure a breadth of knowledge and an understanding of the basic processes of disciplined inquiry that society might reasonably expect from a college graduate.

Due to the limited number of hours required in each group, a student may have only one exposure to a discipline or area. For this reason, care should be taken to select courses that will ensure breadth within as well as across disciplines and areas of study.

General Requirements

Each student seeking a bachelor's degree must satisfy the requirements of the University Studies program. Those requirements can be attained by 1) completing an associate degree based on a baccalaureate-oriented sequence and 2) admission to the University from a public community college or other community college (in Illinois) participating in the compact with Illinois State University. A transfer student who has completed an associate degree based on a baccalaureate-oriented sequence who is admitted to the University from any community college participating in the compact with Illinois State University shall be considered to have attained junior standing. A transfer student who completes the Illinois Transferable General Education Core Curriculum (as part of the Illinois Articulation Initiative) at an accredited participating Illinois college or university will be considered to have met University Studies requirements at Illinois State University. All other students must meet the minimum requirements for each group in the program—a total of 48 hours exclusive of courses in a student's major department. Some students may wish to complete the requirements through the Individual University Studies program described below. The Proficiency and Placement Examinations section of the *Undergraduate Catalog* describes how a student may meet some of the University Studies requirements through the College Level Examination Program (CLEP) and other proficiency examinations.

Other Special Considerations

General Students: Students who are pursuing a baccalaureate degree but have not yet declared a major are advised that when they do identify a major, courses in their major department do not count toward the University Studies requirements.

Change of Major: Students who change majors should pay particular attention to the requirements outlining the exclusion of courses for University Studies from a major department.

Double Majors: The exclusion of courses from a major department applies only to the declared or first major—not to the second or undeclared major.

Minors: Any University Studies course may be used to meet the requirements of a minor.

Social Sciences Major: University Studies courses may be used to meet the major requirements for students who are pursuing a Social Sciences major.

International Studies: Credit in University Studies may be earned through the Study Abroad program. Information is available from the Director of International Studies.

Mathematics Majors: Due to a limited number of courses in Group 4 outside of the Mathematics Department, Mathematics or Mathematics Education majors may use Group 4 Mathematics Department courses to meet Group 4 University Studies requirements.

University Studies Groups

An "L" represents the inclusion of a laboratory component. The number in parentheses indicates the semester hours of credit awarded.

Group 1: Communication Studies (9 hrs): Study related to the collection, preparation, and presentation of ideas and information directed toward achieving personal skill in written and oral communication. English 101 is required. *Beginning freshmen should complete English 101 within their first 30 semester hours at Illinois State University. Transfer students who have not completed English 101 or its equivalent should complete English 101 within their first 15 semester hours at Illinois State.*

Communication

- 110 Fundamentals of Speech Communication (3)
- 123 Interpersonal Communication (3)
- 125 Argumentation (3)
- 223 Small Group Processes (3)

English

- 101 Language and Composition I (Required of all students) (3)
- 141 Human Language (3)
- 145 Language and Composition II (3)

Foreign Languages

- 111 First-Year Chinese (Part I) (4)
- 112 First-Year Chinese (Part II) (4)
- 111 First-Year French (Part I) (4)
- 112 First-Year French (Part II) (4)
- 111 First-Year German (Part I) (4)
- 112 First-Year German (Part II) (4)
- 111 First-Year Classical Greek (Part I) (4)
- 112 First-Year Classical Greek (Part II) (4)
- 111 First-Year Italian (Part I) (4)
- 112 First-Year Italian (Part II) (4)
- 111 First-Year Japanese (Part I) (4)
- 112 First-Year Japanese (Part II) (4)
- 111 First-Year Latin (Part I) (4)
- 112 First-Year Latin (Part II) (4)
- 111 First-Year Russian (Part I) (4)
- 112 First-Year Russian (Part II) (4)

- 111 First-Year Spanish (Part I) (4)
- 112 First-Year Spanish (Part II) (4)
- 115 Second-Year French (Part I) (4)
- 116 Second-Year French (Part II) (4)
- 115 Second-Year German (Part I) (4)
- 116 Second-Year German (Part II) (4)
- 115 Second-Year Italian (Part I) (4)
- 115 Second Year Latin (Part I) (4)
- 116 Second Year Latin (Part II) (4)
- 115 Second-Year Russian (Part I) (4)
- 116 Second-Year Russian (Part II) (4)
- 115 Second-Year Spanish (Part I) (4)
- 116 Second-Year Spanish (Part II) (4)

Group 2: Humanistic Studies (9 hrs): Study of history (the study of past events, especially those concerned with particular nations, periods, and individuals), literature (the study of native and foreign culture through the exploration of the literature of that culture), and philosophy (the study of values, ethics, and general principles which provide rational explanations) directed toward acquiring basic knowledge in the humanities. **Courses must be selected from at least two departments.**

English

- 104 Introduction to Literature: Poetry and Drama (3)
- 105 Introduction to Literature: Prose Fiction (3)
- 107 Literature and Film (3)
- 110 Masterpieces of English Literature (3)
- 122 Introduction to Shakespeare (3)
- 130 Masterpieces of American Literature (3)
- 150 Masterpieces of World Literature to 1350 (3)
- 160 Women in Literature (3)
- 165 African-American Literature (3)
- 250 Literature of The Bible I (3)
- 251 Literature of The Bible II (3)

Foreign Languages

- 105 Classical Mythology (3)
- 110 Russian Civilization (3)
- 216 German Drama (3)
- 221 Survey of French Literature I (3)
- 221 Survey of Spanish Literature I (3)
- 222 Survey of French Literature II (3)
- 222 Survey of Spanish Literature II (3)
- 242 Survey of Spanish-American Literature (3)
- 285 Selected Topics in Russian Literature (3)

History

- 101 Western Civilization to 1500 (3)
- 102 Modern Western Civilization (3)
- 135 History of the United States To 1865 (3)
- 136 History of the United States Since 1865 (3)
- 137 The American Experience (3)
- 228 Europe in the Nineteenth Century: 1815-1914 (3)
- 235 French History to the Revolution (3)
- 250 History of Women in America (3)

Philosophy

- 101 Basic Issues in Philosophy (3)
- 120 Philosophy of Religion (3)
- 138 Moral and Social Values (3)
- 232 Ethics (3)
- 240 Political Philosophy (3)
- 254 Ancient and Medieval Philosophy (3)
- 255 Modern Philosophy (3)

Theatre

- 151 History of the Theatre in Western Culture (3)

Group 3: Natural Science Studies (6 hrs): Study of biological sciences (the study of life and living matter in all forms, especially with regard to the origin, growth, reproduction, and structure of life forms) and the physical sciences (the study of structure, properties, origin, and energy relations of matter apart from the phenomena of life) directed toward an understanding of and an ability to apply the scientific method to natural phenomena.

Biological Sciences

- 100 Introduction to Biological Sciences-L (3)
- 160 Introductory Microbiology-L (4)
- 170 Genetics and Society (3)
- 181 Human Physiology and Anatomy I-L (4)
- 182 Human Physiology and Anatomy II (4)
- 185 Introduction to Evolution (3)
- 196 Biological Diversity-L (4)
- 197 Molecular and Cellular Basis of Life-L (4)
- 199 Animal Behavior (3)

Chemistry

- 102 Chemistry and Society (3)
- 104 Chemistry of Life (3)
- 110 Fundamentals of Chemistry (4)
- 112 Fundamental Chemistry Laboratory-L (1)
- 140 General Chemistry I (5)
- 141 General Chemistry II-L (5)

Geography-Geology

- 100 Earth Science (3)
- 105 Introduction to Geology I (3)
- 107 Introduction to Geology II (3)
- 110 Weather (3)
- 195 Introduction to Oceanography (3)
- 275 Life of the Geologic Past (3)

Physics

- 100 Energy and Environment (3)
- 101 Exploring the Universe (3)
- 105 Fundamentals of Physics-L (4)
- 106 Concepts in Contemporary Physics (3)
- 108 College Physics I-L (5)
- 109 College Physics II-L (5)
- 110 Physics for Science and Engineering I-L (4)
- 111 Physics for Science and Engineering II-L (4)

Sociology-Anthropology

- 182 Introduction to Physical Anthropology (3)

Group 4: Quantitative and Logical Studies (3 hrs):

Study of mathematics (the study of numbers and space configurations and their operations, measurement, and the relationships in both the abstract form of pure mathematics and the practical form of applied mathematics), Computer science (the study and understanding of the logical organization and transformation of information directed toward the development of the problem-solving skills necessary in a computer environment), and logic (study of principles of valid reasoning and correct inference) directed toward the understanding of basic computational skills and the ability to think logically.

Applied Computer Science

- 168 Structured Problem Solving and the Computer-L (4)

Mathematics

- 105 Elementary Applications of Mathematics (3)
- 120 Finite Mathematics for Business and Social Sciences (4)
- 121 Introduction to Calculus for Business and Social Sciences (4)

- 145 Calculus I (4)
- 146 Calculus II (4)
- 151 Structure of Number Systems I (3)
- 210 Symbolic Logic I (3)

Philosophy

- 110 Thinking Logically (3)
- 210 Symbolic Logic I (3)

Group 5: Social Science and Psychological Studies (9 hrs): Study of the social sciences of anthropology, economics, human geography, political science, and sociology (the study of aspects of past and present activities, conduct, interactions, and organizations of humans) and the study of psychology (the study of mental phenomena, especially those associated with behavior and problems of adjustment to the environment) directed toward an understanding of and an ability to apply the scientific method to human activity. **Courses must be selected from at least two departments.**

Agriculture

- 110 Introductory Agricultural Economics (3)

Economics

- 101 Principles of Microeconomics (3)
- 102 Principles of Macroeconomics (3)

Geography-Geology

- 135 World Geography (3)
- 150 Economic Geography (3)
- 205 Conservation of Natural Resources (3)

Political Science

- 105 American Government and Politics (3)
- 141 Introduction to European Politics (3)
- 151 Introduction to International Relations (3)
- 232 Politics and Public Policy (3)
- 254 Global Issues (3)

Psychology

- 111 General Psychology (3)
- 112 Developmental Psychology of the Life Span (3)
- 131 Social Psychology (3)
- 232 Personality (3)

Sociology-Anthropology

- 106 Introduction to Sociology (3)
- 107 Social Problems (3)
- 131 Social Psychology (3)
- 180 Introduction to Cultural Anthropology (3)
- 261 The Community (3)
- 267 Population (3)
- 268 Sociology of Religion (3)

Group 6: Aesthetic Studies (3 hrs): Study of the fine and applied arts having to do with the creation and application of diverse modes of communication, ideas, and emotions by means of visual and nonvisual representations and symbols toward developing aesthetic understanding and appreciation.

Art

- 100 Introductory Art Workshop (3)
- 150 Art Appreciation (3)
- 155 Survey of Art I (3)
- 156 Survey of Art II (3)
- 250 Arts and the Modern World (3)
- 257 Survey of Art III (3)

Music

- 100 Introduction to Music Theory-L (3)
- 151 Pleasures of Music (3)
- 153 Black Music I (3)
- 250 Arts and the Modern World (3)

Theatre

- 105 Modern Dance I (2)
- 106 Modern Dance II (2)
- 107 Ballet I (2)
- 108 Ballet II (2)
- 114 Tap Dance I (2)
- 115 Tap Dance II (2)
- 119 Jazz Dance I (2)
- 120 Jazz Dance II (2)
- 150 Introduction to the Theatre (3)
- 170 Introduction to Film Art (3)
- 250 Arts and the Modern World (3)

Group 7: Contemporary Life Studies (6 hrs):

Study of the applied arts of agriculture (the production of food and the management of natural fiber plant and animal resources), business and management (organization, operation, administration, and control of private and public organizations), criminal justice sciences (the study of the criminal justice system), education (instruction and training within and outside educational organizations), health and physical education (maintenance and restoration of physical and mental health), family and consumer sciences (the study of the reciprocal relations of family to its natural and man-made resources and environments), technology (practical application of basic scientific knowledge to the design, production, and operation of systems for human control of the natural environment), and other appropriate applied studies directed toward development and understanding of the use of liberal studies in applied areas in order to deal creatively and realistically with personal, community, national, and international concerns.

Agriculture

- 120 Introductory Horticulture (3)
- 150 Introduction to Plant Science (4)
- 170 Introduction to Animal Science-L (4)

Applied Computer Science

- 140 Introduction to the Computer World (3)
- 150 Using Microcomputers Productivity Tools-L (3)
- 155 Introduction to Microcomputers (3)

Biological Sciences

- 145 Human Biology (3)
- 202 Human Ecology (3)

Business Education and Administrative Services

- 100 Business and Its Environment (3)
- 125 Applications of Office Technology (3)

Criminal Justice Sciences

- 101 Introduction to Criminal Justice Sciences (3)

Curriculum and Instruction

- 110 Introduction to Multicultural Education (3)

Family and Consumer Sciences

- 106 Nutrition (2)
- 131 Courtship and Marriage (3)
- 132 Home Management in Contemporary Life (3)

Finance, Insurance, and Law

- 140 Personal Finance (3)
- 150 Personal Insurance (3)
- 208 Legal Environment of Business (3)

Health, Physical Education, and Recreation

- 113 Personal Fitness-L (3)
- 180 First Aid (2)

Health Sciences

- 100 Introduction to the Health Community (3)
- 155 Our Global Environment: A Health Perspective (3)
- 171 Principles of Accident Prevention (3)
- 194 Healthful Family Living (2)
- 196 Drugs in Lifestyles (2)

Industrial Technology

- 208 Perspectives in Technology (3)

Interdisciplinary Studies/Women's Studies

- 120 Introduction to Women's Studies (3)

Philosophy

- 234 Business Ethics (3)

Psychology

- 123 Human Sexuality (3)

Social Work

- 170 Survey of Social Work and Social Welfare (3)

Sociology-Anthropology

- 123 Human Sexuality (3)

Speech Pathology and Audiology

- 115 Introduction to Human Verbal Development (3)

Group 8: Non-Western Cultures and Traditions (3 hrs): Study of some aspect of a culture other than one's own directed not only toward a better understanding of the cultural complexity of a shrinking and increasingly interdependent world, but also toward gaining a new perspective of Western culture. (Courses in this group must be concerned with the cultures and traditions of one or more of the following geographic areas: Africa and neighboring islands [not in the Mediterranean Sea]; Caribbean Islands with non-Western cultures; Central America; China, Mongolia, Japan, Korea [East Asia], Taiwan; India, Pakistan, and neighboring countries; Mexico; Middle East; Pacific Islands [U.S. Administration]; Philippines and islands of Indonesia; pre-contact cultures of Americas, Australia, or New Zealand; South America; Southeastern Asia [Burma, Kampuchea, Laos, Thailand, Vietnam, and others]).

Agriculture

- 100 Agriculture of Developing Countries (3)

Art

- 120 Oriental Art (3)
- 140 Introduction to the Native Arts of the Americas, Africa, and the South Pacific (3)

Business Education and Administrative Services

- 345 Business in a Multicultural Environment (3)

Geography-Geology

- 230 Latin America (3)
- 250 Africa (3)
- 255 Asia (3)

History

- 125 History of East Asian Civilizations (3)
- 126 Histories and Cultures of the Middle East and South Asia (3)
- 127 History of Latin America (3)
- 128 Introduction to African History (3)
- 263 Modern Mexico (3)
- 265 African Civilization (3)
- 266 Modern Africa (3)
- 271 Islamic Civilization (3)
- 275 History of Japanese Civilization (3)

Music

- 156 Music in World Cultures (3)

Philosophy

- 207 Indian Philosophy (3)
- 208 Buddhist Philosophy (3)

Political Science

- 145 Introduction to Non-Western Politics (3)
- 246 African Politics (3)
- 247 Middle East Politics (3)

Sociology-Anthropology

- 184 Cultures of the World (3)
- 272 North American Indians (3)
- 284 The Anthropology of Native American Art (3)

Theatre

- 271 Survey of Non-Western Film (3)

Individualized University Studies Program

Students who wish to pursue the Individualized University Studies (IUS) program must apply for and be admitted to the program. The application must include a statement outlining General Education objectives that cannot be met under the regular University Studies program. The Plan of Study should constitute a coherent program of University Studies that should meet or exceed the goals of the regular program. In developing the individual plan, the student and the advisor should review all previous educational experiences of the student (not just college courses) to assure that either prior experience or the projected plan provides a distribution of coursework that matches the minimum hour requirements in each University Studies group. Courses are not limited to those approved for the regular University Studies program; however, all courses selected must be General Education courses as opposed to vocational or professional courses. Program requirements are as follows:

1. Applications will be accepted only from students who have completed fewer than 25 semester hours of undergraduate coursework. Applications should be forwarded to the Director of Honors and must be signed by an advisor in the Office of Academic Advisement, the Honors Office, or a faculty member from the student's major department indicating that he or she agrees to the Plan of Study and will serve as the student's IUS advisor until the plan has been completed.
2. The Plan of Study must include a minimum of 48 semester hours, exclusive of courses taken in the student's major department. Projected courses in the Plan of Study are subject to later modification only with advance approval of the student's advisor. The Director of Honors should be informed in writing of all changes in the original Plan of Study.
3. It is the student's responsibility to ensure that all prerequisites or requirements for majors are met whether or not the courses are included in the IUS Plan of Study.
4. Students in Teacher Education programs need to plan their IUS program to meet state certification requirements. Please confer with personnel in the Office of Clinical Experiences and Certification Processes regarding current requirements for Teacher Education students.
5. Questions about the program should be directed to the Director of Honors.

ACADEMIC PROGRAMS AND COURSES

Fields of Study and Degrees

The University offers a wide range of academic programs from bachelor's degrees through master's and doctoral degrees. Programs and degrees are available in the following fields of study:

Accounting: B.S., M.S.
 Administrative Systems and Office Technology: B.S.
 Agribusiness: B.S., M.S.
 Agriculture: B.S.
 Anthropology: B.A., B.S.
 Applied Computer Science: B.S., M.S.
 Art: B.A., B.S., B.F.A., M.A., M.S., M.F.A.
 Arts and Sciences: (See Major in General Studies).
 Biological Sciences: B.S., M.S., Ph.D.
 Business Administration: B.S., M.B.A.
 Business Education: B.A., B.S., B.S.Ed.
 Chemistry: B.S., M.S.
 Cinema Studies: (undergraduate minor).
 Clinical Laboratory Science: B.S.
 Cognitive Science: (undergraduate minor).
 Communication: M.A., M.S.
 Community Health: (undergraduate minor).
 Consumer Education: (undergraduate minor).
 Counselor Education: M.S., M.S.Ed.
 Criminal Justice Sciences: B.A., B.S., M.A., M.S.
 Curriculum and Instruction: M.S., M.S.Ed., Ed.D.
 Dance: (undergraduate minor)
 Early Childhood Education: B.A., B.S., B.S.Ed.
 Economics: B.A., B.S., M.A., M.S.
 Educational Administration: M.S., M.S.Ed., Ed.D., Ph.D.
 Elementary Education: B.S., B.S.Ed.
 English: B.A., B.S., M.A., M.S., D.A.
 Environmental Health: B.S.
 Ethnic and Cultural Studies: (undergraduate minor).
 Family and Consumer Sciences: B.A., B.S., M.A., M.S.
 Finance: B.S.
 Foreign Languages: M.A. and undergraduate majors in French, German, and Spanish.
 French: B.A.
 General Studies: B.A., B.S.
 Geography: B.A., B.S.
 Geohydrology: M.S.
 Geology: B.S.
 German: B.A.
 Gerontology: (undergraduate minor).
 Health, Physical Education, and Recreation: M.A., M.S.
 Health Education: B.A., B.S., B.S.Ed.
 Health Information Management: B.S.
 History: B.A., B.S., M.A., M.S., D.A.
 Industrial Technology: B.S., M.S.
 Instructional Media: (undergraduate minor).
 Insurance: B.S.
 International Business: B.A., B.S.
 International Studies (undergraduate minor)
 Japanese Studies: (undergraduate minor).
 Journalism Teacher Education: (undergraduate minor).

Junior High/Middle School Education: B.S., B.S.Ed.
 Latin: (undergraduate minor).
 Latin American Studies: (undergraduate minor).
 Legal Studies: (undergraduate minor).
 Management: B.S.
 Marketing: B.S.
 Mass Communication: B.A., B.S.
 Mathematics: B.A., B.S., M.A., M.S.
 Mathematics Education: Ph.D.
 Military Science: (undergraduate minor).
 Music: B.A., B.S., M.M., M.M.Ed.
 Music Education: B.M.E.
 Music Performance: B.M.
 Peace and Conflict Resolution Studies: (undergraduate minor).
 Philosophy: B.A., B.S.
 Physical Education: B.A., B.S., B.S.Ed.
 Physics: B.S.
 Political Science: B.A., B.S., M.A., M.S.
 Psychology: B.A., B.S., M.A., M.S.
 Public Relations: B.A., B.S.
 Reading: M.S.Ed. and undergraduate minor.
 Recreation and Park Administration: B.S.
 Religious Studies: (undergraduate minor).
 Russian: (undergraduate minor).
 Safety: B.S.
 School Psychology: S.S.P., Ph.D.
 Social Sciences: B.A., B.S.
 Social Work: B.A., B.S.
 Sociology: B.A., B.S., M.A., M.S.
 Spanish: B.A.
 Special Education: B.A., B.S., B.S.Ed., M.S., M.S.Ed., Ed.D.
 Speech Communication: B.A., B.S.
 Speech Pathology-Audiology: B.S., M.A., M.S.
 Teaching English to Speakers of Other Languages: (undergraduate minor).
 Telecommunications Management: B.S.
 Theatre: B.A., B.S., M.A., M.S., M.F.A.
 Women's Studies: (undergraduate minor).
 Writing: M.A., M.S., and undergraduate minor.

Program and Course Explanations

Units of Instruction

Major: A cohesive combination of courses, including introductory, intermediate, and advanced coursework, that designates a student's primary area of specialization. Majors are designated on University transcripts. The offering of new majors requires approval by the Board of Trustees and the Board of Higher Education.

Minor: A combination of courses designed to provide a cohesive introduction to an area of study beyond the major. Minors are designated on University transcripts.

Sequence: A subdivision of a major in which there are specific requirements. Sequences of the same major generally share a common core within a major. Sequences are designated on University transcripts.

Concentration: A subdivision of a major without specific requirements that is provided for advisement only. Concentrations are not designated on University transcripts. All informal curricular recommendations made by departments (such as emphases, tracks, areas of study, specializations, etc.) should be entitled concentrations. Concentrations are advisory only; no approval process is required.

Course Offerings

Independent Study: Intensive study in a special area of the student's interest under the direction of a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination and/or artistic project. A maximum of 6 semester hours may be applied toward graduation.

Seminar: A regular meeting of students, under the guidance of a faculty member, in which each conducts research and exchanges information, problems, and results through informal lectures, reports, and discussion.

Topics Course: An organization of subject matter and related learning experiences composed of identifiable subdivisions of topics. Each topic is of sufficient significance to be treated separately as a unit of instruction for an entire semester or term. The content of the course varies by semester.

Temporary Course: Temporary courses are approved by the curricular committees for a time period not to exceed three years. Temporary courses often are used to experiment with a new curricular design, to take advantage of the skills of a faculty member who will be at the University for a limited period, or to respond to particular interests of students. Temporary courses are designated by the numbers 189, 289, 389, 489, and 589.

Workshop: Intensive and applied work on special problems in one or more subject areas. Workshop opportunities are provided on special problems not covered in any regular University courses. Workshops are designated by the numbers 193, 293, 393, 429, and 493.

Institute: Federal- and state-sponsored (or similar) short-term programs requiring treatment of subject matter of a special nature, often for special groups. Institutes are designated by the number 397.

Professional Practice: Professional Practice consists of one or more credit-generating, academic/career related, salaried or non-salaried work experiences. Professional Practice worksites are located on the Illinois State University campus and with business, industry, government, and other agencies and organizations outside the University. Professional Practice courses are designated by the numbers 198, 298, 398, 498, and 598.

Course Information

The University operates on the semester plan. The credit value of all courses is stated in terms of semester hours. Ordinarily, a semester hour is assigned for a 50-minute class meeting per week for the semester; therefore, a course valued at three semester hours generally meets three periods weekly. In laboratory courses, at least two 50-minute periods per week are ordinarily required for each semester hour of credit.

Course Availability: Some courses listed in the *Undergraduate Catalog* may not be available each year. Students should consult the *Class Registration Directory* for class availability. Questions concerning scheduling of courses should be referred to the department chairperson.

Course Levels

Each course bears a distinguishing number for identification and indication of its academic level. The numbering system is as follows:

- 100-199 Lower-division undergraduate courses, primarily for freshmen and sophomores.
- 200-299 Upper-division undergraduate courses, primarily for juniors and seniors. A student normally should have completed at least 45 semester hours before enrolling in a course at this level.
- 300-399 Advanced undergraduate courses. Open to juniors, seniors, and graduate students. A student normally should have completed at least 75 semester hours before enrolling in a course at this level.
- 400-499 Graduate courses. None are listed herein; see the *Graduate Catalog*. Courses at this level are for graduate students. In exceptional instances, a senior may receive permission to enroll for undergraduate credit in a course at this level. Such permission is granted only upon the recommendation of the student's advisor with agreement of the chairperson of the department offering the course and the Dean of Graduate Studies. Seniors may be permitted to begin graduate work if they meet the conditions of the Senior in Good Standing Policy as described in the *Graduate Catalog*.
- 500-599 Courses limited to advanced graduate or doctoral students.

Course Descriptions

The following information is given for each course: course number (three or five digits preceding the title); course title; credit value in semester hours; and F for fall and S for spring to indicate the semester for which a course is planned as an offering during the current academic year. *The University, however, may cancel or add scheduled course offerings after publication of this Undergraduate Catalog depending upon the adequacy of enrollment and availability of faculty.* Following the above information, any prerequisites, restrictions on enrollment, and any special considerations are noted in italics. *A course prerequisite is knowledge or experience a student is required (req) or recommended (rec) to have prior to enrolling in a course.* Example:

102 MUSIC THEORY **2 S**
MUS 101 or cons Theory Coord req. Formerly MUSIC THEORY AND HISTORY.

Continuation of common practice syntax; emphasis on formal analysis and composition of common practice idioms.

The course number, "102," indicates that the course is primarily for freshmen and sophomores. The digit "2," following the title, indicates the credit value in semester hours. "S" indicates that the course is to be offered during the spring semester. The italicized lines under the course title indicate the required background for enrolling in the course. In the example given, a student must have passed Music 101 or have consent of the Coordinator of Music Theory courses prior to enrollment in 102. The title of the course in previous catalogs is indicated by the *formerly* statement. A brief description of the course is provided in the paragraph following the prerequisites.

If the course were approved for University Studies, the letters "US" followed by the group number would be included in the course title, for example, US-I or US-8. Additional information about the course is available in the respective departmental office.

Common Abbreviations

Departmental Abbreviations

The following abbreviations for departmental offerings are used both in the program requirement descriptions and in the course descriptions throughout the *Undergraduate Catalog*. They are also identical with those used in the *Class Registration Directory*.

ACC	Accounting
AGR	Agriculture
ACS	Applied Computer Science
ART	Art
BSC	Biological Sciences
BEA	Business Education and Administrative Services
CHE	Chemistry
COM	Communication
CJS	Criminal Justice Sciences
C&I	Curriculum and Instruction
ECO	Economics
EAF	Educational Administration and Foundations
ENG	English
FCS	Family and Consumer Sciences
FIL	Finance, Insurance, and Law
FOR	Foreign Languages
GEO	Geography-Geology
HPR	Health, Physical Education, and Recreation
HSC	Health Sciences
HIS	History
IDS	Interdisciplinary Studies
INB	International Business
IS	International Studies
IT	Industrial Technology
MAT	Mathematics
MKT	Marketing
MQM	Management and Quantitative Methods
MSC	Military Science
MUS	Music
PAS	Speech Pathology and Audiology
PHI	Philosophy
PHY	Physics
POS	Political Science
PSY	Psychology
SED	Specialized Educational Development
SOA	Sociology-Anthropology
SWK	Social Work
THE	Theatre
WS	Women's Studies

Course Information and Abbreviations

May be repeated indicates that a course may be taken for credit more than once if different content is planned; however, there may be a maximum amount of credit specified for the course.

Variable credit courses. If a course leads to differing number of hours, a student should plan with the advisor the number of hours to be sought.

Conc reg req (or rec) means that concurrent registration in two courses is required (or recommended).

Incl Clin Exp indicates that certain Clinical Experiences in Teacher Education are required in the course.

Cons inst means consent of the instructor.

Cons dept chair means consent of the chairperson of the department offering the course.

Not for cr maj/min means that the credit from this course may not be applied to the major or minor program requirements.

Not for cr if had (course) means that so much overlap exists between the specified courses that students should not be able to count both toward graduation. Such courses are not, however, considered interchangeable in meeting all requirements.

Also offered as (course) means that the specified courses are identical and are thus considered interchangeable in meeting all requirements.

Materials charge optional indicates that certain supplementary materials must be provided for the course.

Faculty Information

Faculty whose names appear in the department faculty lists were teaching at the University during the previous fall semester. Because of sabbatical leaves, temporary assignments, research projects, and other reasons, not all of these faculty will be teaching in the period covered by the *Undergraduate Catalog*.

UNIVERSITY-WIDE PROGRAMS

MAJOR IN GENERAL STUDIES

Program Coordinator: Contact Academic Advisement, 340 Fell Hall.

Degrees Offered: B.A., B.S.

General Information

Illinois State University offers students the opportunity, under the Major in General Studies, to construct three types of individualized programs of study which differ from the University's regular major and minor programs. These options use existing University courses and lead to the Bachelor of Arts or Bachelor of Science degree in General Studies. Each sequence addresses a different set of educational objectives.

The **Individualized Sequence** of the Major in General Studies allows a student to design, with the help of a faculty sponsor, a specialized program of study that is not offered by the University. This program is intended for the student whose specific interests cannot be accommodated within existing programs. Some topics recently chosen by students include: Classical Civilization, Agricultural Communication, Three-Dimensional Design, Human Services and Needs, International Public Administration, and Theatre Management. The Individualized Sequence is often a second or auxiliary major but may be proposed as a primary major.

The **Multidisciplinary Studies Sequence** of the Major in General Studies, by contrast, is a broader program built around the offerings of two or more departments that may be from more than one college. It is intended for the student who is seeking a baccalaureate degree without the

specialization of a traditional major. The student chooses the focus of the program, with the help of a faculty advisor, by determining the departments in which he or she wishes to pursue advanced work.

The **Arts and Sciences Sequence** of the Major in General Studies is also a broad program emphasizing the offerings of two or more departments, chosen with the help of a faculty advisor. However, unlike the Multidisciplinary Studies Sequence, the coursework is primarily oriented to liberal arts and must be completed from departments in the College of Arts and Sciences.

NOTES:

1. The Multidisciplinary Studies Sequence and Arts and Sciences Sequence of the Major in General Studies do not prepare a student for a specific professional career or graduate field. Because of their general nature, these programs will probably require graduates to convince prospective employers or graduate schools that the students' degree preparation will enable them to succeed in a particular job or educational endeavor.
2. The Major in General Studies does not satisfy the requirements for Teacher Certification.

Procedure:

1. Admission to the Major (or Minor) in General Studies may be requested after the completion of 15 semester hours of coursework and before the completion of 90 semester hours. Applications must be submitted during the first half of the fall or spring semesters.
2. Applications are available in the Academic Advisement Center, 340 Fell Hall. Applicants should select an appropriate faculty advisor. The proposed plan of study must be approved by the faculty advisor, the General Studies Major Committee, and the Associate Vice President, Instruction, and Dean of Undergraduate Studies.
3. At least one-half of the coursework in the sequence must be taken after the proposal has been approved. No more than one-sixth of the coursework in the sequence may be transferred from another institution of higher education.
4. Changes in an approved plan of study must be authorized in advance. A letter outlining the proposed change, and countersigned by the faculty advisor, should be submitted to the Advisement Center. Requests for changes in more than one-sixth of the approved program constitute a new proposal and must be resubmitted subject to all the conditions of an initial application.
5. If the Individualized Sequence is a student's primary major, courses included in the approved program may not be used to meet University Studies requirements. Courses from the departments specified in the Multidisciplinary and Arts and Sciences sequences may not be used to meet the University Studies requirements.

MAJOR OR MINOR IN GENERAL STUDIES

General Requirements:

1. 120 semester hours.
2. Completion of University Studies requirements.
3. 42 senior-college (200- to 300-level) hours.
4. An approved plan of study from at least two departments.
5. A 2.5 cumulative GPA at the time of application.

Major in General Studies; Individualized Sequence:

The Individualized Sequence is an interdisciplinary program that may be used to attain specific educational goals that cannot be accommodated by existing majors at Illinois State. The Major in General Studies: Individualized Sequence is usually a second or auxiliary major but may be proposed as a primary major.

Students who complete the Individualized Sequence will earn a Bachelor of Arts or Bachelor of Sciences degree and have their transcripts noted: "Major in General Studies: Individualized Sequence: _____" (the theme that is specified on the plan of study). Students completing minors will have their transcripts noted similarly.

Major in General Studies; Individualized Requirements:

- 120-hour graduation requirement, including University Studies requirements and 42 senior-college (200- to 300-level) hours.
- Approved plan of study from at least 2 academic departments containing 36-55 hours.

Minor in General Studies; Individualized Requirements:

- Approved plan of study from at least 2 academic departments containing 18-24 hours.

Major in General Studies; Multidisciplinary Studies Sequence:

The Multidisciplinary Studies Sequence is designed for the student who wishes to pursue a baccalaureate degree without the specialization required in a traditional program. The student chooses the focus of the major by determining the two or more departments around which to build the program.

The departments chosen may be from more than one college. Students who complete the Multidisciplinary Studies Sequence will earn a Bachelor of Arts or Bachelor of Science degree and have their transcripts noted: "Major in General Studies: Multidisciplinary Studies Sequence."

Multidisciplinary Studies Major Requirements:

- 120-hour graduation requirement, including University Studies requirements and 42 senior-college (200- to 300-level) hours.
- An approved plan of study with a minimum of 36 hours from 2 specified departments, including 12 senior-college hours (200- to 300-level) from each of the 2 departments and a maximum of 25 hours from any 1 of the departments.

Major in General Studies; Arts and Sciences Sequence:

The Arts and Sciences Sequence is designed for students wishing to pursue a baccalaureate degree with broad specialization in the liberal arts and sciences. The student chooses the focus of the major by determining the two or more departments around which to build the program. Students who complete the Arts and Sciences Sequence will earn a Bachelor of Arts or Bachelor of Science degree and have their transcripts noted: "Major in General Studies; Arts and Sciences Sequence."

Major in General Studies; Arts and Sciences Requirements:

- 120-hour graduation requirement, including University Studies requirements, and 42 senior-college (200- to 300-level) hours.
- An approved plan of study with a minimum of 36 hours from 2 specified Arts and Sciences departments, including 12 senior-college hours (200- or 300-level) from each of the 2 departments, a maximum of 25 hours from any 1 of the departments, and a total of 96 hours from Arts and Sciences departments.

ETHNIC AND CULTURAL STUDIES

No major is offered. Further information contact the Associate Vice President, Instruction, and Dean of Undergraduate Studies, 308 Hovey, Campus Box 4000.

NOTE: The study of ethnic groups not listed below may be arranged through the General Studies; Individualized Minor program. Students interested in pursuing work in this area should contact the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

MINOR IN ETHNIC AND CULTURAL STUDIES

- A minimum of 22 hours representing 8 courses as indicated from Groups I, II, and III; at least 4 courses must be above the 100-level; no more than 3 courses may be from 1 department. A Professional Practice experience approved by the student's minor advisor and the appropriate department may be used as 1 course in Group I and/or Group II. An independent study course approved by the student's minor advisor and processed through the regular procedure may be used as 1 course in Group I and/or Group II.

Group I - Ethnic Origins

Students must complete 3 courses from Group I, representing at least 2 departments. Group I represents the origins of minority populations in the United States. The emphasis is on the culture, history, and the experience of the area from which present-day United States' minorities come and on the Native American population before the arrival of the immigrants.

Asian Americans: GEO 255; HIS 125, 373, 375; PHI 207; POS 345.

African Americans: ART 277; GEO 250; POS 246.

Hispanic Americans: FOR 217.15, 218.15, 221.15, 242.15, 335.15; GEO 230; HIS 127, 263; IDS 110; POS 347.

Native Americans: SOA 283, 284.

Group II - The Experience of Minority Populations in the United States

Students must complete 3 courses from Group II, representing at least 2 departments. Group II represents the experience of minority populations after arriving in the United States and of the Native American population after the arrival of the whites. The focus is on the historical, cultural, political, and social experience of the group as a minority population in a largely white European dominated society.

African Americans: ENG 165; HIS 257, 258; IDS 105; MUS 153, 154; THE 154.

Hispanic Americans: FOR 218.15.

Native Americans: SOA 272.

General Courses: C&I 232, 312; CJS 303.

Group III - Ethnicity

Students must complete 2 courses from Group III, representing at least 2 departments. Group III focuses on the concept of ethnicity in a more theoretical way. It attempts to generalize from minority experiences.

Courses: C&I 110; HIS 273; SOA 264, 281, 366.

MINOR IN LATIN AMERICAN STUDIES

- 24 hours required.
- Required courses: 2 semesters of college-level Spanish (Spanish majors must take at least 9 hours of courses taught in Spanish concerning Latin America at the 200-level or above and cannot count 100-level Spanish courses toward the minor); IDS 110 (Introduction to Latin American Studies) and follow a planned course of study approved by the Latin American Studies advisor in which courses are elected in at least 3 different fields. Coursework may be selected from the following: AGR 100; ECO 205, 210; FOR 218.15, 242.15, 331.15, 336.15; GEO 230; HIS 127, 263; POS 347.
- **NOTE:** This program must be planned in consultation with the Latin American Studies advisor. With the approval of the advisor, courses other than those listed above may be counted toward the minor.

UNIVERSITY-WIDE COURSES

These courses may be offered by any department of the University. Specific departmental offerings will be listed by topic or area in the *Class Registration Directory* available each semester. Student Teaching (399) for all available areas is listed separately in the *Class Registration Directory*; Professional Practice (198, 298, 398) for all available areas is listed by department in the *Class Registration Directory*.

189, 289, 389 SELECTED STUDIES 1-6

Experimental and interdepartmental courses providing content not offered within the framework of courses approved for inclusion in the *Undergraduate Catalog*. Descriptions of the courses offered each semester are provided in the back pages of the *Class Registration Directory*.

193, 293, 393 WORKSHOP 1-6

Max of 6 hrs may be applied toward graduation.

Workshop opportunities are provided for the purpose of permitting students to work on special problems not covered in any one course offered by the University. Topics for investigation by workshop participants are limited to areas in which the University is able to provide adequate workshop staff. Description of the courses offered each semester are provided in the back pages of the *Class Registration Directory*.

198, 298, 398 PROFESSIONAL PRACTICE 1-16

Cons dept chair req. Max of 16 hrs may be applied toward graduation.

Supervised work experiences in local, state, national, and international businesses, agencies, institutions, and organizations which are planned, administered, and supervised at the departmental level. University-wide coordination is provided through the Office of Professional Practice or through the Office of Clinical Experiences if the experience is in an educational agency or institution.

287 INDEPENDENT STUDY 1-6

Max of 6 hrs may be applied toward graduation. Cons dept chair and supervisor req.

Intensive work in a special area of the student's interest. Each individual project is to culminate in a comprehensive written report or examination. Open only to students who are not on academic probation and who have demonstrated an ability to profit from independent study.

291 SEMINAR: UNDERGRADUATE TEACHING ASSISTANTS 1-3

Official designation as an Undergraduate Teaching Assistant (UTA). Max of 3 hrs may be applied toward graduation. Cons dept chair req.

Supervised examination of issues related to the Undergraduate Teaching Experience. Seminar requires time beyond the UTA work experience.

299 INDEPENDENT HONOR STUDY 1-6

Open only to students who have achieved superior academic records and who have demonstrated an ability to profit from independent study. Max of 6 hrs may be applied toward graduation. Cons inst, dept chair, and Dir of Honors req.

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report or examination.

397 INSTITUTE 1-9

Federal- and state-sponsored institutes or similar short-term programs requiring treatment of subject matter of a special nature or for special groups.

399 STUDENT TEACHING 1-16 F,S

2.50 cum GPA req. (C&I 253 for El Ed maj or C&I 263 for Early Childhood Education maj.)

High-school teaching (6-12): PSY 215 or C&I 210 and C&I 214 or 215 or 216 (6 hrs), and a min of 100 clock hours of approved pre-student teaching Clin Exp.

Special Areas (K-12): PSY 215 or C&I 210 and C&I 214 or 215 or 216 (6 hrs), and a min of 100 clock hours of approved pre-student teaching Clin Exp in K-12 sites.

Junior High/Middle School (K-9): C&I 390, min of 100 hours of approved pre-student teaching Clin Exp, completion of Field of Study req prerequisite for student teaching in areas of concentration.

El Ed (K-9): C&I 252, min of 100 clock hours of approved pre-student teaching Clin Exp.

Special Education (K-12): Specific courses are req in each seq. See listing of req in individual Special Ed seq. All seq req the completion of a min of 100 clock hours of approved pre-student teaching Clin Exp.

Approval of dept chair and the Director of CECP.

15 hours of coursework or equiv at Illinois State.

Other req as listed in the University-wide Teacher Education Program Requirements section of the Undergraduate Catalog.

Directing the learning of pupils; participating in school and community activities; assuming full responsibility for a group of learners under the supervision of an expert teacher. Assignments are made on the basis of the student's area of specialization. The student's transcript indicates the area in which student teaching was completed.

INTERDISCIPLINARY AND INTERNATIONAL STUDIES

Interdisciplinary Studies (IDS) Programs

Illinois State University offers programs that allow students to engage in studies and develop a syntheses of knowledge that span two or more academic disciplines. Each interdisciplinary program is directed by a faculty member. Faculty from across the University deliver courses within these programs.

MINOR IN COGNITIVE SCIENCE

Director: Gordon Redding

- A minimum of 24 hours required for the minor, depending on the emphasis chosen and the level of preparation of student. Programs must be planned in consultation with an advisor. Students are required to seek an advisor through the Director of Cognitive Science Studies.
- Required courses: a planned course of study approved by a Cognitive Science Studies advisor to be coordinated around an emphasis which is outside the student's major using the following guidelines:

Computer Science: ACS 168, 169; 2 courses (6 hrs) from Groups A and/or B; 2 courses (6 hrs) from Group B; and 2 elective courses (6 hrs) from Groups B,C,D,E, or F.

Linguistics: PHI 210; ENG 341; 3 courses (6 hrs) from Groups A and/or B; 2 courses (6 hrs) from Group C; and 2 elective courses (6 hrs) from Groups B,C,D,E, or F.

Philosophy: PHI 210, 305; 2 courses (6 hrs) from Groups A and/or B; 2 courses (6 hrs) from Group D; and 2 elective courses (6 hrs) from Groups B,C,D,E, or F.

Psychology: PSY 240, 366; 2 courses (6 hrs) from Groups A and/or B; 2 courses (6 hrs) from Group E; 2 elective courses (6 hrs) from Groups B,C,D,E, or F.

Group A (Quantitative Skills): MAT 145, 146, 175, 260; PHI 210 (MAT 210); PHI 212 (MAT 212); PSY 240.

Group B (Computer Science): ACS 168, 169, 261, 279, 340, 367.

Group C (Linguistics): SOA 277; COM 324, 370; ENG 241, 243, 245, 310, 341, 344; FOR 309, 309.15, 310, 290.16; PAS 211, 301, 310, 320.

Group D (Philosophy): PHI 250, 253, 255, 305, 361.

Group E (Psychology): PSY 231, 331.04, 331.07, 360, 361, 363, 366.

Group F (Other Related Courses): SOA 286, 288, 290; BSC 390.

- **NOTE:** Please refer to specific departments for further course information.

MINOR IN PEACE AND CONFLICT RESOLUTION STUDIES

Directors: Joseph Grabill, Department of History
331 Schroeder Hall, Campus Box 4420
(309) 438-8120

Deborah Gentry, Department of Family and Consumer Sciences
302J Turner Hall, Campus Box 5060
(309) 438-7935

The Minor in Peace and Conflict Resolution Studies is an interdisciplinary program which includes courses from the five Colleges: Applied Science and Technology, Arts and Sciences, Business, Education, and Fine Arts.

The courses offer both Macro and Micro approaches. Macro approaches emphasize world conflict and order; ethnic and socio-economic justice; multiculturalism; renewable economics; and biodiversity. Micro approaches emphasize non-violent ethics and conflict management; inner, aesthetic, and spiritual peace; interpersonal communication and relations; intergroup relations; and gender issues. Macro and Micro approaches are usually combined in any course, however courses are categorized by priorities according to their Macro or Micro approaches.

- 24 hours required.
- Required core (6 hrs): IDS 111, 398.01.
- Choose 6 elective hours from inner core (3 hrs each from Macro and Micro): **Macro** (3 hrs): HIS 100, 268, 270; POS 151 (US-5), 254 (US-5), 293.01, 361; **Micro** (3 hrs): FCS 101, 131 (US-7); PHI 244, 248.
- Choose 6 elective hours from Macro outer core: (3 hrs each from (a) College of Arts and Sciences and (b) Courses other than College of Arts and Sciences). (a) Courses not previously selected under Macro courses above; ANT 180 (US-5), 184 (US-8); ECO 355; GEO 205 (US-5); HIS 229, 230; POS 252, 313; SWK 160. (b) Courses not previously selected under Macro courses above; BEA 345 (US-8); CJS 369; C&I 110 (US-7); FIL 312; IDS 105; INB 190; MUS 156 (US-8).
- Choose 6 elective hours from Micro outer core: (3 hrs each from (a) College of Arts and Sciences and (b) Courses other than College of Arts and Sciences). (a) Courses not previously selected under Micro courses above; COM 123 (US-1), 223 (US-1); ECO 327; PSY 131 (US-5); SWK 170 (US-7), 261. (b) Courses not previously selected under Micro courses above; ART 140 (US-8), CJS 101 (US-7); FCS 231, 309; IDS/WS 120 (US-7); MQM 221.
- **NOTE:** Students are encouraged to consult with an advisor regarding elective choices and information regarding Professional Practice (IDS 398.01).

International Studies (IS) Program

Director: William Semlak
308 Fell Hall, Campus Box 6120
(309) 438-5365

MINOR IN INTERNATIONAL STUDIES

Advisor: Jonathan Rosenthal

The Minor in International Studies is an interdisciplinary program that is designed to offer students an option that will globalize their education. It could be of special interest to students in the College of Arts and Sciences with majors in Foreign Languages, History, Political Science, and Communication; students in the College of Business majoring in International Business; students in the College of Fine Arts with majors in Music and Art; and students in the College of Education.

The program's features include a background in foreign language, a focus on issues related to internationalization or globalization of our society, a focus on a geographic area of the world, and participation in a formal study

abroad experience. Academic advisement is essential to this highly individualistic program in order for the students to construct programs that will fit their individual needs.

- 24 hours required, including Foreign Language 115.xx or equivalent; 6-9 hours in Category A; 9-15 hours in Category B; and participation in a study abroad or alternative international experience.
- Participation is required in a 6-credit hour (or greater) study abroad experience sponsored by Illinois State University, or alternative international experience, approved prior to participation by the minor advisor. Courses taken while studying abroad may be counted toward the minor. Contact the International Studies Advisor for information on which courses offered in each program may be counted toward the minor.
- Up to 9 hours (excluding courses in Category A) taken in the minor may also be applied toward the student's major. At least 12 hours applied toward the minor must include upper-division course credit.
- Additional foreign language study is strongly encouraged. Special emphasis should be placed on developing oral communication skills.

CATEGORY A--International Issues:

- 6-9 hours required. Courses may not count toward the student's major or any other minor. A maximum of 2 courses from any 1 department may be taken. Choose from the following: AGR 100; CJS 369; COM 355, 372; ECO 205, 210, 302, 345; ENG 255; HIS 230, 252, 270; INB 190; MUS 156; POS 151, 251, 252, 254, 344; SOA 160, 184; THE 271, or other courses approved by the International Studies Advisor.

CATEGORY B--Area Studies Courses:

- 9-15 hours required. Only courses taken in 1 area may be counted toward the minor. Many Illinois State University Study Abroad program courses count. Maximum of 6 hours from 1 department may be counted. One course in each area is designated as required and serves as a foundation for that area.
- In addition to the courses listed below, any pertinent course on the history, literature, economic, social, or political structures of a foreign country or culture may be counted toward the minor, provided it receives approval in advance from the International Studies advisor. The International Studies advisor will help students choose courses appropriate to their area studies concentration and career objectives.
- Latin America: IDS 110 (required); FOR 218, 305; GEO 230; HIS 127, 263; POS 145, 347.
- Europe: ART 372, 379; FOR 108 (FR), 217 (FR), 217 (GER), 217 (SPA), 218 (GER), 220 (GER), 305 (FR), 305 (SPA); GEO 240; HIS 102 (required), 229, 237; POS 141, 348.
- Africa: FOR 325; HIS 128 (required), 266; POS 145, 246.
- South and Southwest Asia (Middle East, India, Pakistan, Sri Lanka): GEO 255; HIS 126 (required), 272, 378; PHI 207, 208; POS 145, 247.
- Russia/Newly Independent States: FOR 110 (RUS) (required), 217, 285; GEO 245; HIS 234, 366; POS 242, 254.
- East Asia: GEO 255; HIS 125 (required), 373, 375; PHI 208; POS 145, 345.
- **NOTE:** Please refer to specific departments for further course information.

Women's Studies (WS) Program

Director: Valentine M. Moghadam
212 Rachel Cooper, Campus Box 4260
(309) 438-2947

MINOR IN WOMEN'S STUDIES

The Minor in Women's Studies enhances any undergraduate major by integrating a working knowledge of gender issues with the student's field(s) of study. Women's Studies employs gender as an analytical category, along with race, class, and ethnicity, to focus on women's contributions to society and the gender implications of cultural, political, and economic processes. By broadening a student's knowledge base, this interdisciplinary minor has theoretical and practical applications in scholarship, the marketplace, and personal growth and relationships. The 21 credit hours required for the minor are drawn from diverse academic disciplines. Four courses are required: WS/IDS 120 provides an overview of the historical and contemporary context of women's lives; ENG 160 explores literary works from the perspective of women's richly varied experience; HIS 250 surveys the historical experience of diverse groups of women in the United States; and PHI 246 examines feminist political theories addressing women's oppression. Students draw the remaining 9 hours from the electives listed below:

- 21 hours required.
- Required courses: WS/IDS 120; ENG 160; HIS 250; PHI 246.
- 9 hours of additional courses from: CJS 339; ENG 260, 360; HIS 330; PHI 244; POS 225; PSY 123 or SOA 123; PSY 305; SOA 264 or 366, 341; WS 390, 391, 398.
- **NOTE:** This program must be planned in consultation with the Women's Studies Director or advisor. With their approval, courses other than those listed above may be counted toward the minor.

Interdisciplinary Studies Courses

102 HONORS COLLOQUIUM 1-4 F

May be repeated once for cr if topic is different.

Interdisciplinary, for students in the Honors Program. Weekly sessions, presented by one or more specialists on the topic, explore a semester theme.

105 CULTURAL AWARENESS AND INTERRACIAL UNDERSTANDING 3 F

Cons inst req.

Racially-balanced experiential and theoretical course for students wishing to increase awareness and understanding and to improve black/white communication.

106 CAREER CHOICE 1 F,S

CR/NC only. Fr only rec. Materials charge optional.

Introduction to theory of career decision making. Laboratory in the application of skills and strategies to individual career choices.

110 INTRODUCTION TO LATIN AMERICAN STUDIES 3 F

An overview of politics, economics, history, geography, culture, and the arts in Latin America with focus on variable selected topics.

111 PEACE STUDIES 2 F

A general, interdisciplinary introduction to Peace Studies. A study of world order, social justice, conflict resolution, ecological balance, and education for an interdependent world.

120 INTRODUCTION TO WOMEN'S STUDIES US-7 3 F,S

Also offered as Women's Studies 120.

Introduction to the concerns and problems of women in today's society. Historical roots and viable alternatives to the present culture will be discussed.

187 IUS INDEPENDENT STUDY 1-3

Only for students pursuing the Independent University Studies option who wish to undertake independent study projects on an interdepartmental and off-campus basis.

202 ADVANCED HONORS COLLOQUIUM 3 F,S

Jr standing or cons Honors Director req. May be repeated once if topic is different.

Weekly sessions presented by a specialist dealing with a semester's topic for advanced students in the Honors Program.

285 HONORS UNDERGRADUATE RESEARCH I 1-3 F,S

Cons Honors Director req. May not be repeated.

Honors student assists a faculty member on the faculty member's research project.

286 HONORS UNDERGRADUATE RESEARCH II 1-3 F,S

IDS 285 req. May not be repeated.

Continuation of IDS 285.

287 IUS INDEPENDENT STUDY 1-3 F,S

Only for students pursuing the Independent University Studies option who wish to undertake independent study projects on an interdepartmental or off-campus basis.

301 JUDAISM: HISTORY AND CULTURE 3 S

Jr standing.

Rigorous survey of Jewish history; attention to Torah, Talmud, Septuaginta, Kabbala; emphasis on Diaspora, reform movements, basic practices, cultural interplay.

390 INTERDISCIPLINARY RESEARCH IN WOMEN'S STUDIES 1-6 F,S

Proposal signed by 2 faculty advisors from different disciplines and approved by Director of Women's Studies req prior to reg.

Students will research and write on an interdisciplinary topic of their choice relevant to Women's Studies.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION OR CO-OP IN PEACE STUDIES AND CONFLICT RESOLUTION 1-6 F,S

IDS 111 req. Minor in Peace and Conflict Resolution Studies.

Practical experience, preferably in some local organization where conflict resolution skills are required and learned.

Student Exchange Programs

- 222 NATIONAL STUDENT EXCHANGE 12-16 F,S**
Min soph standing; 2.5 GPA req. Participation in National Student Exchange program.

Study for one semester or one year at another university, paying tuition and fees at Illinois State University.

- 223 NATIONAL STUDENT EXCHANGE 12-16 F,S**
Min soph standing; 2.5 GPA req. Participation in National Student Exchange program.

Study for one semester or one year at another university.

- 225 NATIONAL COLLEGIATE HONORS EXCHANGE 1-16 F,S**
Participation in Illinois State Honors Program.

Honors study for one semester at another university.

Study Abroad Programs

Summer programs all over the world give students the opportunity to earn 3-10 hours of credit. Consult with an advisor in I-Studies for more information.

- 230 INTERNATIONAL EXCHANGE 12-15 F,S**
 Study for 1 semester or 1 year in another country.

**CURTIN UNIVERSITY OF TECHNOLOGY,
 PERTH, WESTERN AUSTRALIA 12-15 F,S**
 Semester/year program. A wide variety of undergraduate and graduate courses are offered for University Studies, elective, and major field credit.

**EDITH COWAN UNIVERSITY,
 PERTH, WESTERN AUSTRALIA 12-15 F,S**
 Semester/year program. A wide variety of undergraduate and graduate courses are offered for University Studies, elective, and major field credit.

**SALZBURG COLLEGE,
 SALZBURG, AUSTRIA 15-17 F,S**
 Semester/year program focusing on social sciences, business, humanities, and fine arts. University Studies, elective, and major field credit available. Courses taught in English.

**BRIGHTON UNIVERSITY,
 BRIGHTON, ENGLAND 12 F,S**
 Semester program. Elementary and Secondary Education Student Teaching. All programs are taught at Brighton University campuses.

**CHRIST CHURCH COLLEGE,
 CANTERBURY, ENGLAND 12 F,S**
 Semester program. University Studies courses in art, history, literature, culture, and geography.

**LEICESTER UNIVERSITY,
 LEICESTER, ENGLAND 15 F**
 Year program offering courses in a wide variety of disciplines for major and minor credit, and University Studies credit.

**UNIVERSITY OF SUNDERLAND,
 SUNDERLAND, ENGLAND 15 F,S**
 Semester/year program. A wide variety of University Studies and major/minor credits available.

**UNIVERSITY OF WOLVERHAMPTON,
 WOLVERHAMPTON, ENGLAND 12 S**
 Semester/year program focusing on the field of studio art.

**L'UNIVERSITE CATHOLIQUE
 DE L'OUEST D'ANGERS,
 ANGERS, FRANCE 15 F,S**
 Semester/year program focusing on French language, culture and civilization. University Studies credit is available in Group I.

**UNIVERSITY OF BONN,
 BONN, GERMANY 12 F,S**
 Semester/year program. German language program open to juniors only. Maj/min in German language and literature must have completed 211.13 and 213.13 before leaving for the program.

**INSTITUTE OF ITALIAN STUDIES,
 FLORENCE, ITALY 12-17 F,S**
 Semester/year program. Italian language, business, communication, culture, civilization, art history, studio art. Courses offered in English. University Studies and maj/min field credit available in art.

**KANSAI GAIDAI UNIVERSITY,
 HIRAKATA, JAPAN 14-17 F,S**
JPN 111 and 112 or equiv req.
 Semester/year program. A wide variety of University Studies courses are offered in English. Students must take 8 hours of intensive Japanese language.

**NANZAN UNIVERSITY,
 NAGOYA, JAPAN 15-17 F,S**
JPN 111 and 112 or equiv req.
 Semester/year program beginning fall semester. A wide variety of University Studies courses are offered in English. Students must take 10 hours of intensive Japanese language.

**SOUTHERN ILLINOIS
 UNIVERSITY,
 NAKAJO, JAPAN 15 F,S**
JPN 111 and 112 or equiv req.
 Semester/year program. A wide variety of undergraduate courses are offered for University Studies, elective, and major field credit. No previous knowledge of Japanese language required.

**VLADIMIR PEDAGOGICAL
 UNIVERSITY,
 VLADIMIR, RUSSIA 15 S**
 Spring semester program offering courses in Russian phonetics, grammar, conversation and culture.

**STIRLING UNIVERSITY,
 STIRLING, SCOTLAND 15 F,S**
 Semester/year program. Courses for maj/min field credit and University Studies credit are available in many departments. Students take 3 courses per semester, each worth 5 credit hours.

**UNIVERSITY OF MADRID,
 MADRID, SPAIN 12 F,S**
SPA 111 and 112 or equiv req.
 Semester/year program focusing on Spanish language, culture and civilization. University Studies credit for Groups I and II available.

**UPPSALA UNIVERSITY,
UPPSALA, SWEDEN**

15 F,S

Semester/year program offering courses in a wide variety of disciplines for maj/min field, and University Studies credit. Courses are taught in English. Special course in Swedish civilization offered during fall semester.

**CARDIFF INSTITUTE OF
HIGHER EDUCATION,
CARDIFF, WALES**

12 S

Spring semester program offering courses in Health, Physical Education, and Recreation for HPR majors.

NOTE: Summer programs all over the world give students the opportunity to earn 3-10 hours of credit. Consult with an advisor in International Studies for additional information.

Women's Studies Courses

**120 INTRODUCTION TO
WOMEN'S STUDIES**

US-7 3 F,S

Also offered as Interdisciplinary Studies 120.

Introduction to the concerns and problems of women in today's society. Historical roots and viable alternatives to the present culture will be discussed.

**390 INTERDISCIPLINARY RESEARCH
IN WOMEN'S STUDIES**

1-6 F,S

Proposal signed by 2 faculty advisors from different disciplines and approved by Director of Women's Studies req prior to reg.

Students will research and write on an interdisciplinary topic of their choice relevant to Women's Studies.

391 WOMEN'S STUDY SEMINAR

1-3 Summer

May be repeated; max 6 hrs.

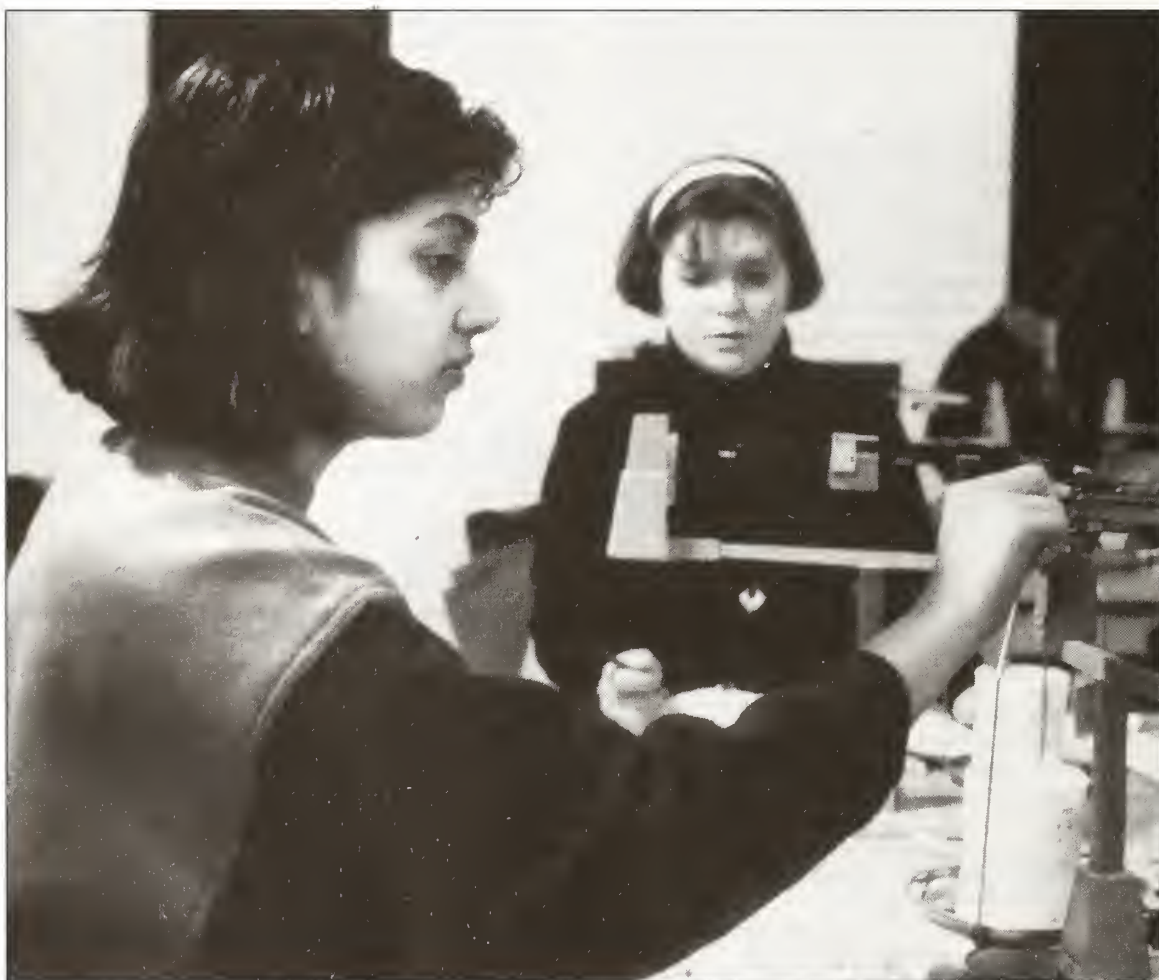
Detailed study of current selected topics.

**398 PROFESSIONAL PRACTICE:
INTERNSHIP IN
WOMEN'S STUDIES**

1-6 F,S,Summer

6 hrs of Women's Studies and cons Director Women's Studies req. May be repeated; max 16 hrs.

Supervised work experience in local, state, national, or international businesses, agencies, institutions, or organizations focusing on women's issues.





COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY

Acting Dean: Laurance Quane, 145 Turner Hall.

The Departments of Agriculture; Applied Computer Science; Criminal Justice Sciences; Family and Consumer Sciences; Health, Physical Education, and Recreation; Health Sciences; Industrial Technology; and Military Science constitute the College of Applied Science and Technology. Undergraduate and graduate programs of the College are designed to prepare students for professional and/or technical positions in education, government, business and industry.

AGRICULTURE (AGR)

150 Turner, (309) 438-5654

Chairperson: J. R. Winter.

Tenured/Tenure-track Faculty:

Professors: O'Rourke, Walker, Whitacre, Winter, Wood.

Associate Professors: Chrudimsky, Moore, Smiciklas, Tudor.

Assistant Professors: Baker, Knox, VanDerZanden, Wachenheim.

General Department Information

HONORS IN AGRICULTURE

The Department offers honors work in Agriculture to highly qualified juniors and seniors who will pursue an individualized program of study. The Honors Program enables the superior student to reinforce guided private study in agricultural topics of the student's own choosing with seminar-style research. Students interested in participating in the departmental Honors Program may secure further information by contacting the Chairperson of the Department of Agriculture. The Department also offers in-course honors work in all its courses for students enrolled in the University Honors Program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor.

Agribusiness Program

Degree Offered: B.S.

MAJOR IN AGRIBUSINESS

Agribusiness Sequence:

- 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
- Required courses: ACC 131; AGR 109, 110, 130, 150, 170; CHE 110 and 112 or 140; ECO 101, 102; MAT 120.
- The student must complete a minimum of 12 semester hours (within the 36 required in Agriculture) in Agricultural Economics courses selected from AGR 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320. AGR 295 and 396 do not count toward this major.
- The student must complete a minimum of 9 hours from a combination of Agricultural Engineering Technology, Agronomy, Animal Science, or Horticulture Science (in addition to AGR 130, 150, and 170).

- Non-business majors who desire to elect more than 30 hours of their coursework in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor.

Horticulture Sequence:

- 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
- Required courses: AGR 109, 110, 120, 130, 157, 260, 356; AGR 150 or BSC 196 or 197 (AGR 150 preferred); ECO 101, 102; ACC 131; FIL 208; MAT 120; CHE 110 and 112, or 140.
- 6 hours from AGR 252, 253, 255, 256, 262, 352, 353, 355.
- AGR 295 and 396 do not count toward this sequence.

Agriculture Program

Degree Offered: B.S.

MAJOR IN AGRICULTURE

General Agriculture Sequence:

- 36 hours in Agriculture required.
- A minor or second major is required.
- Agriculture core required courses: AGR 109, 110, 130, 150, and 170.
- Additional required courses: BSC 196 or 197 (196 preferred); CHE 110 and 112, or 140.
- At least 1 additional course in each of 3 of the 4 following specialized areas of Agricultural Economics, Agricultural Engineering Technology, Agronomy, and Animal Science. AGR 295 and 396 do not count toward this sequence.

Agriculture Industry Management Sequence:

- 55 hours in Agriculture or Agriculture and Industrial Technology required.
- Agriculture core required courses: AGR 109, 110, 130, 150, 170.
- Additional required courses: AGR 157 (required for Agronomy Industry Management Concentration) or 171 (required for Animal Industry Management Concentration) or IT 110 (required for Agricultural Engineering Technology Management Concentration); CHE 110 and 112 or 140; ECO 101 or 102; MAT 119 or 120 or 144.
- 9 hours of Agriculture electives.
- 15 hours of Agribusiness (including AGR 110).
- 23 hours of Animal Science electives including AGR 170 and 171; or 23 hours of Agronomy electives including AGR 150 and 157; or 22 hours of Agriculture Engineering Technology or Industrial Technology (including AGR 130 and IT 110).

Concentrations: Students selecting the Agriculture Industry Management Sequence may elect an Animal Industry Management Concentration or an Agronomy Industry Management Concentration or an Agriculture Engineering Technology Management Concentration. Students may choose courses from among the following lists for each concentration.

- **Animal Industry Management:** Animal Science courses (AGR 171, 200, 272, 274, 276, 280, 282, 283, 284, 285, 286, 288, 290, 363, 371, 372, 373, 375, 378), Agribusiness courses (AGR 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320), and Agriculture electives (any courses offered by the Department of Agriculture except 295 and 396).
- **Agronomic Industry Management:** Agronomy courses (AGR 157, 250, 251, 263, 272, 355, 357, 358, 363), Agribusiness courses (AGR 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320), and Agriculture electives (any courses offered by the Department of Agriculture except 295 and 396).
- **Agriculture Engineering Technology Management:** Agricultural Engineering Technology and Industrial Technology courses (AGR 231, 232, 234, 235, 240, 340; IT 110, 111, 116, 130, 131, 151, 208), Agribusiness courses (AGR 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320), and Agriculture electives (any courses offered by the Department of Agriculture except 295 and 396).

Agricultural Science Sequence:

- 36 hours in Agriculture (including at least 20 hrs in either Animal Science or Agronomy) and 25 hours in Biological Sciences, Chemistry, Physics or Mathematics.
- Agriculture core required courses: AGR 109, 110, 130, 150, 170.
- At least 3 senior-level hours from the Agricultural Economics area (213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320).
- Additional required courses: AGR 272 or BSC 219; AGR 171 (required for Animal Science Concentration) or AGR 157 (required for Agronomy Concentration); ECO 101 or 102; MAT 120 or 144; AGR 363 or PSY 240; CHE 110 and 112 or 140 and 141; CHE 220 or 230 and 231; CHE 242 or 342 or 280 (CHE 280 is recommended for the Agronomy Concentration); BSC 196 or 197; BSC 211 (recommended for Agronomy Concentration or 283 (recommended for Animal Science Concentration).

Concentrations: Students selecting the Agriculture Science Sequence may elect an Animal Science Concentration or an Agronomy Concentration. Students may choose courses from among the following lists for each concentration.

- **Animal Science:** (AGR 171, 272, 274, 276, 280, 282, 283, 284, 285, 286, 288, 290, 363, 371, 372, 373, 375, 378).
- **Agronomy:** (AGR 157, 250, 251, 263, 272, 355, 356, 357, 358, 363).

Agriculture Education Sequence:

All Agriculture Education students planning to become certified teachers must apply for and be admitted to the University Teacher Education program (see Teacher Education Admission-Retention program section of this *Undergraduate Catalog*). A cumulative 2.5 GPA and 2.5 in the major are required for admission and retention in the sequence. Students are encouraged to consider a second certification in an academic area such as Biological Sciences, Chemistry or Mathematics.

- 55 hours in Agriculture required.
- Agriculture core required courses: AGR 109, 110, 130, 150, and 170.

- Additional required courses: AGR 157, 171, 190, 120 or 252, 214, 232, 295, 396; BSC 196 or 197 (196 preferred); CHE 110 and 112, or 140.
- Professional Education requirements: PSY 215 (3 hrs), C&I 214 (2 hrs); C&I 215 (2 hrs); C&I 216 (4 hrs); a minimum of 100 clock hours of approved pre-student clinic experiences; and Student Teaching 399 (8 hrs). All Professional Education courses must be passed with a grade of "C" or higher. Program leads to certification: Secondary 6-12.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

MINOR IN AGRICULTURE

- 24 hours in Agriculture required.
- Required courses: AGR 110, 130, 150, 170.

Agriculture Courses

In meeting program requirements in Agriculture, the student should note that the courses are considered in areas, as follows:

- General courses:** 100, 109, 198, 200, 205, 302, 303, 398.
- Agricultural Economics:** 110, 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320.
- Agricultural Education:** 190, 295, 396.
- Agricultural Engineering Technology:** 130, 231, 232, 234, 235, 240, 340.
- Agronomy:** 150, 157, 250, 251, 263, 272, 352, 355, 357, 358, 360, 363.
- Animal Science:** 170, 171, 272, 274, 276, 280, 282, 283, 284, 285, 286, 288, 290, 363, 371, 372, 373, 375, 378.
- Horticulture Science:** 120, 150, 157, 252, 253, 255, 256, 260, 262, 352, 353, 355, 356.

100 AGRICULTURE OF DEVELOPING COUNTRIES

US-8 3 F,S

Creative approaches to understanding the role of agriculture in developing countries. Analysis of agricultural problems, policies, and processes.

109 INTRODUCTION TO THE AGRICULTURAL INDUSTRY

1 F,S

The development of agriculture as an industry; contributions of agriculture to society; the technology of the industry.

110 INTRODUCTORY AGRICULTURAL ECONOMICS

US-5 3 F,S

Fundamental principles of economics applied to agriculture, agriculture finance, prices, taxation, marketing, and land use.

120 INTRODUCTORY HORTICULTURE

US-7 3 F,S

Introduction to principles and practices in development, production, and use of horticultural crops (fruits, vegetables, greenhouse, floral, turf, nursery, and landscape).

130 INTRODUCTION TO AGRICULTURAL ENGINEERING TECHNOLOGY

3 F or S

Lecture and lab.

Place of mechanics in agriculture. Examples, problems, discussions, and laboratory exercises in present and future mechanics applications.

150 INTRODUCTION TO PLANT SCIENCE

US-7 4 F

Fundamentals of plant science; importance, classification, distribution, and production practices of the major crops of the world.

157 SOIL SCIENCE

4 S

CHE 110 and 112 or equiv req. Lecture and lab.

Origin and formation, physical and chemical properties, moisture relationships, liming and fertilizing soils. Chemical and physical tests of soils.

170 INTRODUCTION TO ANIMAL SCIENCE

US-7 4 F or S

Lecture and lab.

Breeding, selection, genetics, nutrition, physiology, and production of farm animals. Fundamentals of animal science.

171 INTRODUCTION TO ANIMAL NUTRITION

4 F or S

AGR 170 req. Formerly LIVESTOCK FEEDING PRINCIPLES.

Study of nutrients, their metabolism and utilization; digestive physiology in ruminants and non-ruminants; diet formulation and ration balancing.

190 INTRODUCTION TO AGRICULTURAL EDUCATION

2 F

Incl Clin Exp: 10 hrs, Type 1, 5, 6.

Introduction to agricultural teaching profession, overview of the total agricultural program, philosophical base of education process, and teaching special-need students.

198 PROFESSIONAL PRACTICE:**FARM INTERNSHIP**

1-6 F,S,Summer

Maj only. Approved application req. CR/NC only.

Experience in basic agricultural operations. Min 45 hrs experience/hr credit.

200 AQUACULTURE TECHNOLOGY AND MANAGEMENT

3

AGR 170 or BSC 100 or BSC 196 or 197 req. Lecture, lab, and field trips.

Scientific principles and hands-on training in commercial aquaculture with emphasis on the engineering of indoor production systems.

205 MICROCOMPUTER APPLICATIONS IN AGRICULTURE

3 F,S

ACS 150; AGR 110, 130, 150, and 170 req.

Introduction to microcomputer applications specific to agriculture.

213 FARM MANAGEMENT

3 F,S

Factors of production, such as equipment, labor distribution, cropping systems, and soils; organization and operation; types of farming.

214 AGRICULTURE MARKETING

3 F,S

Markets, price-making forces, reasons for existing practices, marketing services, and cooperative marketing.

215 AGRIBUSINESS OPERATIONS

2 F,S

Procedures and methods of profitable operations used by agricultural business; lectures and discussions pertaining to the world of work by successful agribusiness leaders.

216 FARM ACCOUNTING

3 F,S

Materials charge optional.

Standard farm business accounting methods and procedures, financial measures of success, inventories, depreciation, net worth, income tax, budgeting and cash flow, and business analysis.

231 AGRICULTURAL CONSTRUCTION AND MAINTENANCE

3 S

AGR 130 req. Lecture and lab. Offered odd-numbered years.

Selection, use, and maintenance of hand and power tools and equipment for construction and maintenance in agriculture; shop organization; shop safety.

232 AGRICULTURAL POWER UNITS AND MACHINERY

3 S

Lecture and lab. Offered even-numbered years.

Principles of single and multiple cylinder engine operation. Selection, adjustment, operation, and maintenance of field machinery.

234 SOIL AND WATER CONSERVATION

3 F

Lecture, lab, and field trips.

Drainage, soil erosion control, water conservation on farms; planning, materials, construction, repair, and adaptation of structures to farm needs.

235 FARM UTILITIES

3 S

Lecture and lab. Offered even-numbered years.

Application of electricity for light, heat, and power; principles of operation, selection, and installation of electrical equipment. Water supply and sewage systems.

240 AGRICULTURAL POWER SYSTEMS 3 S
AGR 232 req. Lecture and lab. Field trip. Offered odd-numbered years.

Selecting, analyzing, maintaining spark-ignition and diesel tractors. Principles of hydraulics, power transmission, and electrical regulation systems.

250 CROP GROWTH AND DEVELOPMENT 4 S
AGR 150 or equiv req. Lecture and lab. Formerly FIELD CROP PRODUCTION. Materials charge optional.

Crop production and management as influenced by the environment, plant species, and cropping system; relate plant growth processes to management processes; control of diseases, insects and weeds via integrated pest management.

251 FORAGE MANAGEMENT 3 S
AGR 150 or equiv req. Lecture and lab. Formerly FORAGE CROP PRODUCTION.

Characteristics, utilization, and production of principal forage plants. Recent literature in forage management reviewed.

252 LANDSCAPE MANAGEMENT 3 F
AGR 150 and 157 or cons inst req. Lecture and lab.

Cultural practices and principles in the selection and care of ornamental plants for landscape and garden use. Introduction to landscape design and maintenance.

253 FLORAL DESIGN 3 F
Lectures and practice in floral designing. Materials charge optional.

Principles and practice in the design of floral arrangements. Introduction to the operation of retail florist businesses.

255 LANDSCAPE PLANTS 3 F
Intensive field study supplemented by lectures. Offered odd-numbered years.

Identification and landscape value of ornamental trees, shrubs, vines, and ground cover.

256 LANDSCAPE PLANTS II 3 S
AGR 255 req. Intensive field study; lecture.

Continuation of AGR 255. Identification and landscape value of additional species of ornamental trees, shrubs, vines, groundcovers, perennials and annuals.

260 GREENHOUSE OPERATION AND MANAGEMENT 3 S
AGR 157 and either BSC 196 or 197 or AGR 150 or equiv req. Lectures and greenhouse practices. Materials charge optional.

Commercial greenhouse operation and management; growth media, temperature and light factors, irrigation, fertilization, growth regulation and pest control programs.

262 NURSERY MANAGEMENT 3 S
AGR 120 or 150 req. Lecture and lab. Field trip req. Offered odd-numbered years.

Commercial nursery production and management including: nursery site selection; nursery development, container and field stock; nursery facilities and equipment requirements.

263 WEED SCIENCE 3 F
AGR 150 or equiv req. Lecture and lab. Materials charge optional.

Practicum in crop weed identification and control. Weed collection required.

272 AGRICULTURAL GENETICS 3 F
 Heredity, variation, and development of domesticated plants and animals. Mendelian genetics, mutations, linkage, quantitative inheritance, population genetics, and biotechnology.

274 DAIRY SCIENCE 4 F
AGR 170 req; 171 rec. Lecture, lab, and field trips.

The dairy industry; breeds, selection, judging, care, and management of dairy cattle; quality milk production, milk products, and milk testing.

276 SWINE MANAGEMENT 3 F
AGR 170 and 171 req. Lecture and lab.

Breeds, care, and management of breeding herd; care and feeding of swine, selecting swine for breeding and marketing.

280 LIVESTOCK AND DAIRY CATTLE SELECTION 3 S
Lab and field trips. Formerly LIVESTOCK SELECTIONS.

Fundamentals of livestock and dairy selection; relation to production, marketing, and showing.

282 LIVESTOCK HEALTH AND DISEASES 3 F
AGR 170; BSC 196 or 197 req.

Animal physiology, anatomy, sanitation, and diseases. Prevention and control of diseases of domesticated species of livestock.

283 ARTIFICIAL INSEMINATION OF FARM ANIMALS 3 S
Lecture and lab.

Principles of artificial insemination and factors affecting conception in natural and artificial breeding.

284 LIVESTOCK PRODUCTION SKILLS 3 F
AGR 170 req. Cons inst req. Lecture, lab, and field trips.

Study and mastery of skills required in livestock production and different methods and tools used to perform these skills.

285 MEAT SCIENCE 3 S
Lecture and lab. Materials charge optional.

Comprehensive treatment of the meat industry and presentation of basic facts about one of our most important food products.

286 BEHAVIOR OF DOMESTIC ANIMALS 3 S
AGR 170 rec.

Behavioral patterns and systems, group formations, socialization, physical environment, genetic and physiological factors as they relate to domestic animals.

288 ADVANCED LIVESTOCK AND DAIRY CATTLE SELECTION 3 F
AGR 280 req. Lab and field trips. Formerly ADVANCED LIVESTOCK SELECTION.

Judging various species of livestock in relation to their functions in the show ring and market and the presentation of oral reasons.

290 HORSE SCIENCE 3 S
AGR 170 or documented evidence of 3 years experience with horses req. Offered odd-numbered years.

Anatomy, physiology, nutrition, and genetics applied specifically to horses.

- 295 SUMMER INTERNSHIP IN AGRICULTURAL EDUCATION** 3 Summer
Adm to Teacher Ed req. Incl Clin Exp: 100 hrs, Type 1-4, 9.
 Experience in the profession of agricultural education in high school. Includes program planning and working with special-needs students.
- 302 SPECIAL PROBLEMS IN AGRICULTURE** 1-3 F,S,Summer
Maj/min in Agriculture or Agriculture Business; 2.5 GPA req. May be repeated; max 6 hrs.
 Special work in research interests of student and staff. Projects must be approved by the staff member and the chairperson of the Department.
- 303 SEMINAR IN AGRICULTURE** 1 F,S
Sr or grad standing req.
- 310 RURAL APPRAISALS** 3 F or S
AGR 216 or 318 or ACC 131 rec, and an academic background in agriculture. Field trips.
 Principles, procedures, and terminology for evaluating rural property; preparation of appraisal reports as currently prepared by qualified and experienced rural appraisers.
- 312 ADVANCED FARM ACCOUNTING** 3 S
AGR 213 and 216 req.
 Advanced farm business records and analysis with emphasis on computer applications.
- 313 ADVANCED FARM MANAGEMENT** 3 S
AGR 213 and 216 req.
 Farm business decisions and their interrelationships. Examination of statics, dynamics, and uncertainty in agricultural decision-making.
- 314 GRAIN MARKETING** 3 F
AGR 214 req.
 Economics and marketing problems in grain industry; emphasis on futures marketing.
- 315 FINANCIAL MANAGEMENT AND ANALYSIS OF THE AGRIBUSINESS FIRM** 3 F
AGR 215; MAT 120; and AGR 216 or ACC 131 or cons inst req.
 Application of quantitative concepts and methods to the analysis and financial management of proprietary and cooperative agribusiness firms.
- 316 LIVESTOCK MARKETING** 3 S
AGR 214 req.
 Economic principles applied to marketing of livestock and livestock products. Consideration given to producers, processors, and distributors.
- 318 AGRICULTURAL FINANCE** 3 F
AGR 216 or ACC 131 req.
 Principles of agricultural finance including the capital requirements, the sources of credit, and the optimum uses of capital.
- 319 AGRICULTURAL POLICIES AND PROGRAMS** 3 F
AGR 110 req.
 History and impact of governmental intervention in agriculture. Examination of major agricultural programs, past and present.
- 320 FARM COMMODITY PRICING** 3 F
AGR 214 req.
 Theory and mechanics of price determination for agriculture commodities.
- 340 EQUIPMENT FOR PRODUCING AND HANDLING AGRICULTURAL PRODUCTS** 3 F
AGR 130 req. Lecture, lab, and field trips. Offered odd-numbered years.
 Selection, design, operation, adjustment, and maintenance of machinery and equipment used in producing, storing, and processing agricultural products.
- 352 TURF MANAGEMENT** 3 F
AGR 150 or BSC 196 or 197 req. Offered even-numbered years.
 Principles and practices used in management of turf-grasses, residential and recreational turf.
- 353 LANDSCAPE DESIGN AND CONSTRUCTION** 3 S
AGR 252 and 255 req. Lectures and practice in landscape design. Offered even-numbered years.
 Problem approach to landscape design and construction. Site surveys and analyses. Plant selection and preparation of functional designs.
- 355 PLANT BREEDING AND BIOTECHNOLOGY** 3 F
AGR 272 or equiv req. Formerly PLANT BREEDING.
 Breeding procedures and techniques used in developing new varieties of field crops.
- 356 PLANT PROPAGATION** 3 S
AGR 150 or BSC 196 or 197 req. Lecture and lab. Offered odd-numbered years. Materials charge optional.
 Basic principles and commercial practices involved in sexual and asexual propagation of agricultural plants.
- 357 SOIL FERTILITY AND FERTILIZERS** 4 S
AGR 157 req. Lecture, lab, and field trips.
 Fundamental concepts of soil fertility and fertilizer manufacturing. Plant nutrition, factors affecting plant growth, soil-plant relationships, and macro- and micro-nutrients.
- 358 SOIL MANAGEMENT** 4 F
AGR 157 req. Lecture and lab.
 Applications of physical and chemical properties of soils to their management.
- 363 AGRICULTURAL EXPERIMENTATION** 3 F
MAT 120 or 144 req. Lecture and lab. Offered odd-numbered years.
 Principles of agricultural research for plant and animal sciences; includes design, data collection, interpretation, and presentation of results.
- 371 FEEDLOT MANAGEMENT** 3 F
AGR 170 and 171 req; 170 and 171 rec. Lecture, lab, and field trips. Formerly AGR 275.
 Study of the cattle industry from backgrounding calves to marketing finished cattle, including cattle management, financing, marketing, and facility design.

372 LIVESTOCK BREEDING 3 S*AGR 272 or BSC 319 req. Offered even-numbered years.*

Reproduction and principles of heredity and their application to livestock breeding; population genetics, inbreeding, relationship, outbreeding, and selection.

373 REPRODUCTIVE PHYSIOLOGY 3 F or S*AGR 170 req.*

Reproduction in livestock, anatomy of the reproductive and hormonal systems, physiological and hormonal aspects of lactation.

375 ANIMAL NUTRITION 3 F*AGR 170 and 171 req. Field trips. Offered odd-numbered years.*

Science of animal nutrition; special attention to recent discoveries pertaining to the protein, mineral, and vitamin requirements of livestock.

378 BEEF COW-CALF MANAGEMENT 3 S*AGR 170 and 171 req. AGR 213 and 216 rec. Lecture, lab, field trips, and overnight calf watch at University Farm. Formerly 278.*

Study of the beef cow-calf industry from both a purebred and commercial perspective including management skills required for cow-calf production.

382 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS 3 S*Also offered as BEA/FCS 382 and IT 306. Incl Clin Exp.*

Coordination techniques needed for high school and post-secondary teacher-coordinators in integrating classroom activities with daily employment.

396 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION 5 S*Incl Clin Exp: 360 hrs, Type 1-6, 9. Adm to Teacher Ed req.*

Procedures in planning, conducting, and evaluating an agricultural education program; philosophical inquiry in education; teaching special-needs students.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN AGRICULTURE 1-6 F,S,Summer*Maj in any Agriculture program; 2.5 GPA; 8 hrs of coursework in intern area; approved application req. May be repeated; max 6 hrs.*

Supervised on-the-job experience in an agriculture setting. Minimum 45 hrs experience/credit.

APPLIED COMPUTER SCIENCE (ACS)

202 Old Union, (309) 438-8338

Chairperson: Robert Zant.

Tenured/Tenure-track Faculty:

Professors: Beccue, C. Chrisman, Hartman, Zant

Associate Professors: G. Chrisman, Crow, Doss, Lim, Gyires, Lim, Rariden, Sanders, Swafford, Vila.

Assistant Professors: Brumbaugh, Cook, Kephart, Schambach, Wallace.

General Department Information

The Applied Computer Science Department has two degree programs. One program is in Applied Computer Science and the other in Telecommunications Management. Both require substantial communication skills as well as technical skills in computing, information technology and networks.

Academic Requirements:

To enroll in an Applied Computer Science course, a grade of "C" or higher is required in all prerequisite courses. For majors, only courses in which the student has received a grade of "C" or higher may be counted toward the hours required in the major, including supporting requirements.

Admission Requirements:

A student may enter an Applied Computer Science major as a new freshman, a transfer student, or as a change of major at Illinois State University. Transfer students should contact the Applied Computer Science undergraduate advisor or University Admissions for minimum GPA requirements.

HONORS IN APPLIED COMPUTER SCIENCE

The Department offers honors work in all programs to highly qualified juniors and seniors. Candidates must have a 3.3 overall GPA and a 3.5 GPA in Applied Computer Science. Honors requirements involve honors coursework and the preparation of a substantial research paper or the completion of a significant application project prepared under the guidance of a faculty advisor. For further information contact the Director of Honors.

PROFESSIONAL PRACTICE

Each program includes a practical experience that may be satisfied by a directed project, an internship, or a coop assignment. A coop/internship experience is the expected way to satisfy this requirement. ACS 191 (1 hr) is required and recommended in the sophomore year. Three hours of ACS 391/398 are counted toward the Applied Computer Science Major for the practical experience; however, the hours in 398 alone do not satisfy the practical experience requirement. *If ACS 398, Coop/Internship, is elected, the student must register for at least 6 hours.* Each directed project, internship, or coop assignment requires the prior approval of the Applied Computer Science Coordinator of Professional Practice. The 3 hours of Professional Practice credit counted toward the Applied Computer Science Major will be graded. Additional Professional Practice credit will be earned on a CR/NC basis. A maximum of 16 hours of Professional Practice credit (ACS 391, 398) may be applied toward graduation. *A student may not register for ACS 398 during the last semester of their studies.*

MINOR IN COGNITIVE SCIENCE

The Department of Applied Computer Science participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

Applied Computer Science Programs

Degree Offered: B.S.

The Applied Computer Science Major is designed to prepare professionals in Computer Science and Information Systems including such areas as computer information systems, software engineering, and computer science. The curriculum has a strong practical emphasis on the application of computer and systems techniques to real world problems. Practical skills are balanced with exposure to the concepts that underlie the field of computing. This program requires substantial communication skills as well as technical skills in computing, information technology and networks. The Applied Computer Science Minor is intended to provide for the computing needs of majors in other disciplines. These people will normally use computers as tools in their chosen profession or provide limited computer and systems support for their work group, but not be computing professionals.

There are two sequences in the Applied Computer Science Major: Computer Information Systems and Computer Science. A common core of 5 courses (16 hours) provides a foundation for each sequence. The Computer Information Systems (CIS) Sequence requires a minor or second major and 26 hours of supporting requirements. The Computer Science Sequence does not require a minor or second major but does require 41 to 46 hours in the supporting areas of mathematics, science, communication and organization.

Preparation for Graduate Study: Several directions are available to students who wish to prepare for graduate work. The CIS Sequence offers excellent preparation for a growing number of computer and management information systems master's programs. Students interested in an MBA program should combine the CIS Sequence with a Business Administration minor. The Computer Science Sequence should be elected by those students interested in traditional Computer Science graduate programs. Any student interested in graduate school should discuss options with faculty and an academic advisor during the junior year.

MAJOR IN APPLIED COMPUTER SCIENCE

Computer Information Systems Sequence:

This sequence is designed for the student who will seek a position as an Information Systems professional or Local Area Network (LAN) support person or is interested in pursuing graduate studies in Information Systems.

The Systems Development/Analyst Concentration provides depth in analysis and design techniques and offers electives in emerging technologies. In contrast, the Systems Development/LAN Support Concentration provides students with greater technical and practical knowledge about networking.

Applied Computer Science courses (39-40 hrs):

Applied Computer Science core (16 hrs):

— ACS 160, 168, 169, 254, 261.

Practical Experience (4 hrs):

— ACS 191.

— 1 of: ACS 398, 391.

Concentration (19-20 hrs):

Systems Development/Analyst (20 hrs):

— ACS 272, 363, 372, 378.

— 2 of: ACS 341, 346, 352, 365, 367, 368, 375, 376.

System Development/LAN Support (19-20 hrs):

— ACS 272, 372, 375, 377.

— 1 of: ACS 378, 363.

— 1 of: ACS 355, 383.

Supporting requirements (26 hrs):

Mathematics and Statistics (11 hrs):

— MAT 120 or 145, 160.

— 1 statistics course, e.g. MQM 100; ECO 131; PSY 240.

Communication and Organization (15 hrs):

— COM 110, 223; ACC 131; MQM 220.

— 1 of: BEA 240; ENG 249.

NOTE: 9 hours of the supporting requirements (MAT 120 or 145; COM 110, 223) will also count as part of University Studies requirements.

Minor or Second Major:

A minor or second major in another department must be completed for the CIS Sequence. Recommended areas are Accounting, Business Administration, Communication, Economics, and Insurance. Depending on the area selected there may be substantial overlap of required courses with University Studies and the supporting requirements previously listed. Therefore the number of hours taken solely to complete a minor can vary.

Business Minors:

Those students who choose a minor in the College of Business (usually 21-25 hours) should be aware that there are limits on the number of hours that can be taken in the College of Business. For more information contact a College of Business advisor.

Computer Science Sequence:

This sequence is designed for students who wish to pursue a comprehensive study of computer science that blends theory, abstraction, and design in a variety of traditional and current areas. It would also prepare students to pursue graduate studies in Computer Science.

Applied Computer Science courses: (44 hrs):

Applied Computer Science core (16 hrs):

— ACS 160, 168, 169, 254, 261.

Professional Practice (4 hrs):

— ACS 191.

— 1 of: ACS 398, 391.

Concentration (24 hrs):

— ACS 279, 325, 327, 383.

— 1 or 2 of: ACS 326, 328, 340, 356, 386.

— 1 or 2 of: ACS 341, 375, 385, 388.

— None or 1 of: ACS 276, 352, 367, 378.

Supporting requirements (41-46 hrs):

Mathematics and Statistics (15-16 hrs):

— MAT 145, 146.

— 1 of: MAT 160, 260.

— 1 of: MQM 100; PSY 240; MAT 350.

Communication and Organization (12 hrs):

- COM 110, 223; ENG 249.
- 1 of: MQM 220; COM 329.

Science (14-18 hrs):

- 1 pair of: CHE 140, 141; or PHY 110, 111.
- 2 additional courses from: BSC 196, 197; CHE 140, 141, PHY 101, 110, 111, 112, 375.

NOTE: 15 hours of the supporting requirements (MAT 145, COM 110, 223 and CHE 140, 141 or BSC 196, 197 or PHY 110, 111) will also count as part of University Studies requirements. A minor or second major in another department is not required.

MINOR IN APPLIED COMPUTER SCIENCE

Minors are intended to help majors in other departments focus on specific skills and electives which are relevant for their career needs. **NOTE:** To enroll in an Applied Computer Science course, a grade of "C" or higher is required in all prerequisite courses.

Computer Information Systems Sequence:

The Information Specialist Concentration will provide students with the computer skills to be self-sufficient in meeting many of their own information needs as well as support those of their work group peers. This concentration emphasizes using appropriate software tools rather than programming as a means of obtaining information. The Application Development Concentration is a general information systems minor which provides a computing foundation for other majors.

Minor (22 hrs):

Required core (10 hrs):

- ACS 160, 168, 261.

Concentration (12 hrs):

Application Development:

- ACS 169, 254.
- 1 of: ACS 341, 352, 355, 363, 367, 368, 375, 378.
- 1 additional ACS 200 or 300-level course (at least 3 hrs).

Information Specialist:

- ACS 208, 251, 306.
- 1 of: ACS 341, 352, 363, 367, 368, 378, 169.

Computer Science Sequence:

This minor provides a solid foundation for using the computer as a tool in any discipline. It provides an opportunity for students to gain knowledge in a specialized area such as graphics, parallel processing, or artificial intelligence. This minor may be of particular interest to majors in mathematics or the natural sciences.

Minor (22 hrs):

Required core (10 hrs):

- ACS 160, 168, 261.

Concentration (12 hrs):

- ACS 169, 254, 279.
- 1 of: ACS 276, 327, 328, 340, 341, 352, 356, 388.

Special Applications Sequence:

There are 23 hours required in this sequence which is for students interested in applying the computer in an area or in a way not covered adequately by 1 of the other minors. A program of study must be approved by an advisor from Applied Computer Science and the student's major advisor before the student has completed nine hours in computer related courses. The approved minor program must include a 2-semester sequence in a high-level programming language and an appropriate systems or research methods course.

Telecommunications Management Program

Degree Offered: B.S.

MAJOR IN TELECOMMUNICATIONS MANAGEMENT

Telecommunications Management is concerned with information systems, telecommunications technology, computer technology, business practices, policy issues, and psychological/social considerations involved in voice, data, image, and facsimile transmission. This multidisciplinary program prepares undergraduate students to enter the telecommunications industry in entry-level positions with adequate preparation to assume management positions once work experience is gained. Graduates will possess an in-depth technical understanding of computer networks and telecommunication systems as well as an appreciation of the economic and public policy issues that are important in the design and development of local and wide area networks, and national and multinational telecommunication systems.

Major courses (53 hrs):

Applied Computer Science core (16 hrs):

- ACS 160, 168, 169, 254, 261.

Professional Practice (4 hrs):

- ACS 191.
- 1 of: ACS 398, 391.

Telecommunications Technology (18 hrs):

- ACS 375, 377, 379.
- IT 143, 383.
- 1 of: ACS 355, 374, 378, 383.

Economic, Legal, Public Policy (15 hrs):

- ECO 101, 235.
- 1 of: FIL 311; POS 318.
- 2 of: IT 208; MQM 221; PSY 230; SOA 355.

Supporting requirements (29 hrs):

Mathematics and Statistics (11 hrs):

- MAT 120 or 145, 160.
- 1 of: MQM 100; ECO 131.

Communication and Organization (15 hrs):

- 1 of: ENG 145, 249.
- ACC 131; COM 223; FIL 208; MQM 220.

Ethics (3 hrs):

- PHI 234.

NOTE: 18 hours of the supporting requirements (ECO 101; MAT 120 or 145; ENG 145; FIL 208; IT 208; COM 223; PHI 234) will also count as part of University Studies requirements.

Applied Computer Science Courses

Some Applied Computer Science courses may not be offered every year. **NOTE:** To enroll in an Applied Computer Science course, a grade of "C" or higher is required in all prerequisite courses. Contact the Applied Computer Science Department advisor for the current schedule of offerings.

- 140 INTRODUCTION TO THE COMPUTER WORLD** US-7 3 F,S
Not for cr Applied Computer Science maj/min. Lecture and lab. Materials charge optional.

A nontechnical course designed to develop effective computer users and to acquaint the students with the impact of computers on the person and society. Internet experience. No previous computer experience or mathematics requirements necessary.

- 150 USING MICROCOMPUTER PRODUCTIVITY TOOLS** US-7 3 F,S
Not for cr if had BEA 125. Not for cr Applied Computer Science maj/min. Lecture and lab. Materials charge optional.

Introduction to typical microcomputer-based productivity tools such as word processing, spreadsheets, databases, and presentation graphics.

- 155.01 INTRODUCTION TO MICROCOMPUTERS** US-7 3 F,S
Not for cr Applied Computer Science maj/min, or if had 155.02 or 254. Lecture and lab. Materials charge optional.

Introduction to microcomputers and programming, with general and business applications emphasized. Visual basic programming; comparative analysis of microcomputer systems.

- 155.02 INTRODUCTION TO MICROCOMPUTERS** US-7 3 F,S
Not for cr Applied Computer Science maj/min, or if had 155.01 or 254. Lecture and lab. Materials charge optional.

Introduction to microcomputers and programming, with scientific and technical applications emphasized. BASIC and machine language programming including I/O, elementary files, application software, and hardware and software evaluation.

- 160 FOUNDATIONS OF APPLIED COMPUTER SCIENCE** 3 F,S
Rec as the first course in the Applied Computer Science Major. Formerly INTRODUCTION TO APPLIED COMPUTER SCIENCE. Materials charge optional.

Concepts of computer-based systems; computer hardware, software, and organizational environments; system categories, delivery modes; systems development methods; career opportunities, responsibilities.

- 165 COMPUTER PROGRAMMING FOR SCIENTISTS** 4 S
MAT 145 req. Not for cr Applied Computer Science maj/min. Lecture and lab.

Introduction to computer programming emphasizing numerical algorithms for scientific applications. Problem analysis and operating system concepts included. Programs developed in FORTRAN.

- 166 SCIENTIFIC PASCAL** 3
C or better in MAT 144 or equiv req. Not for cr ACS maj/min. Also offered as MAT 166.

Introduction to Pascal language; techniques for problem solving, algorithm development, program construction, and mathematical applications.

- 168 STRUCTURED PROBLEM-SOLVING USING THE COMPUTER** US-4 4 F,S
MAT 104 or high school equiv req. Rec as 1 of the first courses in the Applied Computer Science maj. Lecture and lab.

Introduction to the development of algorithms for computer systems processing. Emphasis on structured problem solving and the design of problem solutions.

- 169 COMPUTER APPLICATION DEVELOPMENT** 3 F,S
ACS 160 and 168 or cons dept chair req. Not for cr if had ACS 275.

The design, development, and implementation of computer application systems, including file and data structures.

- 191 INTRODUCTION TO ACS PROFESSIONAL PRACTICE** 1 F,S
ACS 160 and 168 req.

Researching available positions, interpreting job descriptions, interview skills, preparing a resume, benefits of a Professional Practice experience.

- 208 INFORMATION AND DATABASE ACCESS** 3 F
ACS 150, 155, or 160 req.

Techniques for retrieving, displaying and reporting data from databases; importing data to/from other software tools; creating simple databases.

- 251 USING HARDWARE AND SOFTWARE ENVIRONMENTS** 3 S
ACS 160 and either ACS 168 or 155 req. Not for cr if had ACS 254.

How to effectively use workstation computing environments; network concepts and use; managing hardware and software resources.

- 254 HARDWARE AND SOFTWARE CONCEPTS** 3 F,S
ACS 160 and ACS 168 req.

Overview of nature and interrelationships of computer architectures, hardware, operating systems, data types, programming languages, application development facilities, networks, communications.

- 261 SYSTEMS DEVELOPMENT I** 3 F,S
ACS (169 and conc enr in 254) or (160, 168, and 1 of 208, 251) req.

Information systems development, development methodologies, analysis and design techniques and tools, relational database concepts.

- 272 COBOL AS A SECOND LANGUAGE** 4 F,S
ACS 169 req. Not for cr if had ACC 366.

COBOL language for students with substantial programming experience in another language. Emphasizes structured problem-solving and programming.

274 PL/I AS A SECOND LANGUAGE 4*ACS 169 req.*

Intensive study of the PL/I language for students with previous programming experience. Emphasizes structured problem-solving and programming.

275 C AS A SECOND LANGUAGE 4 F,S*Not for cr if had ACS 169. 2-sem seq in a high-level programming language req.*

Intensive study of the C programming language for students with previous programming experience.

276 SOFTWARE ENGINEERING IN ADA 3*ACS 169 and 261 req.*

Introduction to the basic concepts of software engineering and their use in developing programs in the Ada language.

279 ALGORITHMS AND DATA STRUCTURES 3 F*ACS 169; MAT 160 or 260 req.*

Data structures, algorithms, mathematical foundations of computer science. Topics include lists, trees, graphs, sorting, searching, correctness, computational complexity, parallel algorithms.

288 METHODS OF COMPUTATIONAL SCIENCE 3 S*ACS 165; CHE 140; PHY 109 or 111; and MAT 146 or cons inst req. Also offered as CHE/PHY 288.*

Introduction of a wide variety of computational techniques and their application to physics and chemistry problems. The applications will be restricted to computer simulations of simple physical systems from mechanics, electromagnetism and chemistry.

304 INFORMATION TECHNOLOGY FOR THE INFORMATION SYSTEMS CONSULTANT 3 F*ACC 261 or ACS 261 req. Not for cr Applied Computer Science maj/min.*

Survey of technologies for information systems consulting; operating system environments, hardware platforms, application software trends, database technologies, data communications, computer networks.

306 BUILDING APPLICATIONS SYSTEMS 3 S*ACS 261 req. Also offered as ACC 368, DEVELOPING BUSINESS FUNCTION-BASED SYSTEMS.*

Creating applications using end user development tools; prototyping; human/software interface design; end user development issues.

325 COMPUTER ORGANIZATION 3 F*ACS 254 req.*

Hardware and software topics in computer organization: instructions, modalities, control units, memories, data paths, uniprocessors, and multiprocessors.

326 PRINCIPLES OF SOFTWARE ENGINEERING 3 S*ACS 169 and 261 req. Offered alternate years.*

Fundamentals of software engineering, topics include specification models, metrics, design fundamentals, interface design, quality assurance, and automated tools.

327 CONCEPTS OF PROGRAMMING LANGUAGES 3 S*ACS 169 req.*

Survey of pragmatic, syntactic and semantic structure of programming languages. Procedural, logic-oriented, object-oriented and other contemporary languages included.

328 INTRODUCTION TO THE THEORY OF COMPUTATION 3 F*ACS 279 req. Offered alternate years.*

Basic concepts in computing theory. Topics include recursive definitions, regular expressions, transition graphs, automata, nondeterminism, grammars, parsing, decidability, Turing machines.

340 INTRODUCTION TO ARTIFICIAL INTELLIGENCE 3 S*ACS 279 req. Offered alternate years.*

Introduction to concepts in artificial intelligence, including: knowledge representation, heuristic search, production systems, expert systems, natural language, and learning.

341 OBJECT-ORIENTED SYSTEM DEVELOPMENT 3 S*ACS 261 req.*

Main concepts of object-oriented technology and a comprehensive methodology for system development. Object-oriented analysis, design, and implementation including object-oriented databases.

346 KNOWLEDGE ENGINEERING 3 S*ACS 363 req. Offered alternate years.*

In-depth study of knowledge-based systems and the knowledge engineering process; use of expert systems tools to construct applications.

352 MULTIMEDIA TECHNOLOGY APPLICATIONS 3 F*ACS 261 req.*

Practical principles, methods, and tools for the design and development of multimedia applications; authoring languages; multimedia technology hardware and trends.

355 MICROCOMPUTER APPLICATION AND DESIGN 3 F,S*ACS 169 and 254 req.*

Microcomputer applications with an emphasis on basic microcomputer architecture, interfacing peripherals, machine language programming, and system software design.

356 INTRODUCTION TO COMPUTER GRAPHICS 3 F*ACS 279 req. Offered alternate years.*

Graphics Systems: hardware, software, people. 2-D and 3-D Algorithms: lines, curves, polygons, surfaces, transformations. Applications: presentation graphics, packages.

363 SYSTEMS DEVELOPMENT II 4 F,S*ACS 261; COM 223 req.*

Emphasis on Analysis and Design techniques and tools, Project communication, Systems development methodologies, Interface design. Systems Development team project.

365 SYSTEMS DEVELOPMENT

TOOLS AND ISSUES 3 F
ACS 363 req.

Modern systems development tools, implementation issues related to modern tools, techniques, and methodologies; emerging type of systems being developed.

367 DESIGNING THE

USER INTERFACE 3 S
ACS 261 req.

Human factors issues in developing information systems: task analysis, user interface design guidelines, psychological principles, prototyping interfaces, and user evaluation.

368 TOPICS IN SYSTEMS DESIGN 3 F

Jr/sr standing req. Prereq vary with topic chosen. May be repeated if content different. Materials charge optional.

Advanced topics in systems analysis, design, and development.

372 EXTERNAL DATA STRUCTURES 3 F,S

ACS 254 and 272 req.

External file design, VSAM, IBM utilities and sort/merge, basic concepts of IBM/MVS operating systems, and extensive study of JCL.

374 TOPICS IN

TELECOMMUNICATIONS 3 F
Jr/sr standing req. Prereq vary with topic chosen. May be repeated if content different.

In-depth study of a topic in telecommunications such as emerging technologies, network administration, network management architectures, and wireless communications.

375 INTRODUCTION TO DATA COMMUNICATIONS 3 F,S

ACS 169 and 254 req.

Introduction to hardware and software used in data communications and networking. Network types, architectures, protocols and standards. Local area and packet networks.

376 INTRODUCTION TO ONLINE SYSTEMS 3 F

ACS 261 and 372 req.

Design, development, and implementation of online system applications using CICS with studies in data communications concepts, hardware/software, man-machine interaction, networking, and distributed processing.

377 PRACTICAL TELECOMMUNICATIONS NETWORKING 3 F,S

ACS 375 req.

Design, configure, operate and use local area networks, network applications, and wide area network concepts. Emphasizes hands-on use of a network operating system.

378 DATABASE PROCESSING 3 F,S

ACS 261 req.

Database concepts, emphasis on relational databases, SQL, data modeling, database design, DBMS functions, database application programming, current trends, design project.

379 TELECOMMUNICATIONS

NETWORK OPERATIONS AND MANAGEMENT 3 S

ACS 377; ECO 235; IT 383; MQM 220 req.

Overview of process of operating and managing large scale telecommunications networks; capstone course for Telecommunications Management major.

383 PRINCIPLES OF OPERATING SYSTEMS 3 S

ACS 254 req.

Functional criteria for operating system design. Job management, task management, data management, resource allocation and dump and trace facilities.

385 TOPICS IN COMPUTER SCIENCE 3 F

Jr/sr standing req. Prereq vary with topic chosen. May be repeated if content different. Offered alternate years. Materials charge optional.

In-depth study of a topic such as compiler design, artificial intelligence, programming language and digital logic design.

386 ANALYSIS OF ALGORITHMS 3 S

ACS 279 and MAT 145 and either MQM 100; MAT 350; or PSY 240 req. Offered alternate years.

In-depth study of formal techniques for analyzing the efficiency of both serial and parallel algorithms.

388 INTRODUCTION TO PARALLEL PROCESSING 3 F

ACS 254 and 279 req. Offered alternate years. Materials charge optional.

This course includes the study of parallel processors and their software environments. Students will write programs for several parallel computers.

391 DIRECTED PROJECT IN APPLIED COMPUTER SCIENCE 1-6 F,S

Sr standing and ACS 377 or 378 or 383 req. Applied Computer Science maj only. May be repeated; max 16 hrs combined cr in ACS 298, 391 and 398.

Team design and/or implementation of a modest-sized computer-based system in a live environment under faculty supervision.

398 PROFESSIONAL PRACTICE: IN APPLIED COMPUTER SCIENCE 1-6 F,S

By application and prior approval of Applied Computer Science Prof Pract Coord only. Applied Computer Science maj only. Max 16 hrs cr in Prof Pract.

398.50 PROFESSIONAL PRACTICE:

COOP I IN APPLIED COMPUTER SCIENCE

Max 3 hrs.

398.60 PROFESSIONAL PRACTICE:

COOP II IN APPLIED COMPUTER SCIENCE

CR/NC basis only. May be repeated. ACS 398.50 or conc reg req.

CRIMINAL JUSTICE SCIENCES (CJS)

401 Schroeder Hall, (309) 438-7626

Acting Chairperson: Thomas Ellsworth.

Tenured/Tenure-track Faculty:

Professors: Ellsworth, Lesieur, Morn, Smith, Weisheit, Wells.

Associate Professors: Cox, Falcone, Fleisher, Kethineni.

Assistant Professor: Guyon.

General Department Information

The purpose of the Criminal Justice Sciences program is to provide the student with a system orientation to the field of Criminal Justice. Study in Criminal Justice involves the application of the principles of Criminal Justice and the related behavioral and social sciences to problems and issues in the field of Criminal Justice. The program focuses on the building of knowledge in the areas of law enforcement, courts, and corrections from a social science perspective. Students develop a knowledge base for an in-depth understanding of human behavior and the kinds of problems and circumstances that often result in criminality. Finally, the program provides students with the opportunity to gain necessary skills in the area of interviewing, program development, community organization, planning and research to function in a professional position in the field of Criminal Justice.

Admission of New Students into the Criminal Justice Sciences Major:

- Incoming freshmen will be classified as Criminal Justice majors at their request if they have an ACT of 17 and they are in the *upper half* of their graduating class.
- Transfer students will be classified as Criminal Justice majors if they have a transfer GPA of 2.4.

Admission of Continuing Students into the Criminal Justice Sciences Major:

- Students must make formal application to the major by placing themselves on the departmental waiting list.
- In order to be admitted into the Criminal Justice Major students must be in academic good standing at Illinois State University and have completed all of the following courses: ENG 101, 145; CJS 101; SOA 106; and PSY 111. Grades for these five (5) courses must be a minimum of two (2) "Bs" and three (3) "Cs." No "Ds" or "Fs" will be acceptable. (If you want a Criminal Justice Sciences Major you must *repeat* any course with less than a "C").
- A student who enters the University through the Adult Learner program must complete at least 12 hours at Illinois State University and have completed courses as stipulated in "b" above before admission to the Criminal Justice program will be made.
- A student who returns to the University in the New Start program as a Continuing Student when he/she completed the courses as stipulated in "b" above.

The Department of Criminal Justice Sciences reserves the right to maintain a balanced enrollment.

- This may restrict the numbers of freshmen, transfer students, and continuing students who wish to be Criminal Justice Sciences majors.

- Most Criminal Justice Sciences courses are restricted to Criminal Justice Science majors.

Retention Requirements:

Criminal Justice Sciences majors must maintain a cumulative GPA of at least 2.4 every semester. If, at any given time, a student's GPA falls below a 2.4 that student may be removed from the major and reclassified as a General Student. After a student is reclassified as a General Student, all rights as a major are forfeited, including the right to be eligible to do the Criminal Justice Sciences internship.

Students who have been reclassified must meet regular admission requirements to be eligible for readmission to the major.

HONORS IN CRIMINAL JUSTICE SCIENCES

The Department offers honors study in Criminal Justice Sciences to highly qualified students who will pursue an individualized program of study. The Honors Program enables the superior student to focus on topics of the student's own choosing in close consultation with a Criminal Justice Sciences Department faculty member. In order to qualify, the student must have achieved a GPA of 3.30 or better, both overall and in the major. The student must complete:

- at least 3 hours credit of in-course honors;
- at least 3 hours credit in CJS 299—Independent Honors Study or Honors-Undergraduate Research (IDS 285 or 286) in the Criminal Justice Sciences Department; and
- an additional 3 hours of in-course honors, honors independent study or honors-undergraduate research, equivalent with a grade of "B" or better.

Students interested in participating in the Honors Program should inquire about admission in the Office of the Department of Criminal Justice Sciences.

Criminal Justice Sciences Programs

Degrees Offered: B.A., B.S.

MAJOR IN CRIMINAL JUSTICE SCIENCES

- 55 hours required.
- Required courses: CJS 101, 200, 201, 207, 300, 304, 395, 398.01* (6 hrs), 398.02* (6 hrs).
- 22 hours of electives selected with the approval of an academic advisor. A minimum of 12 hours must be selected from Illinois State University Department of Criminal Justice Sciences course offerings. The remaining electives must be taken from the list of recommended courses from other departments at Illinois State University, additional Criminal Justice Sciences courses, or may be appropriate transfer credit. Electives in other departments: FOR 111, 112, 115, 116 (max 8 hrs); FIL 208; MQM 220, 221; POS 201, 215, 231, 330, 331; PSY 131, 232, 302, 350; SOA 131, 263, 264, 365, 367; SED 362. Students who major in Criminal Justice Sciences must complete the following courses or equivalents: ENG 145; PSY 111; SOA 106.

*Students seeking enrollment in CJS 398.01 and 398.02 must complete necessary paperwork for application to the internship which will be received during mandatory meetings set by the Internship Coordinator. To be eligible, the student must have: 1) completed 90 semester hours, 2) an overall and major GPA of 2.4 at the time referrals are made, and 3) completed all required courses including SOA 106; PSY 111; and ENG 145. Students who have completed accredited corrections and/or police training may substitute this training for a portion of the internship with departmental approval. Students eligible for an internship will, with the assistance of the internship coordinator, choose an agency from a list of approved agencies. Students may also participate in out-of-state internships.

MINOR IN CRIMINAL JUSTICE SCIENCES

- 21 hours required.
- Required courses: CJS 101, 200, 201, 207, 304.
- 6 hours of electives selected, with the approval of an academic advisor, from the Department of Criminal Justice Sciences course offerings or appropriate transfer credit.
- **NOTE:** Space in Criminal Justice Sciences courses is limited for non-majors.

Criminal Justice Sciences Courses

101 INTRODUCTION TO CRIMINAL JUSTICE SCIENCES US-7 3 F,S,Summer

An analysis of the criminal justice system focusing on the police, courts, and corrections.

200 CONTEMPORARY CORRECTIONS 3 F,S,Summer

CJS 101 req. Maj/min only or cons dept advisor.

Familiarizes students with correctional alternatives as they currently exist. Controversies and emerging trends in corrections will be considered.

201 CRIME AND BEHAVIOR 3 F,S,Summer

CJS 101; SOA 106; PSY 111 req. Maj/min only or cons dept advisor.

Theoretical and conceptual explanations of criminal behavior.

206 FUNDAMENTALS OF CRIMINAL INVESTIGATION 3

CJS 101 req. Maj/min only or cons dept advisor.

An intensive analysis of the criminal investigation process including information gathering and analysis, preservation of evidence, legal issues, and investigative strategies.

207 CONTEMPORARY POLICING IN AMERICA 3 F,S,Summer

CJS 101 req. Maj/min only or cons dept advisor.

Survey of law enforcement, its history, police practices, functions, and related issues and concepts of contemporary police.

212 COMMUNITY CORRECTIONS 3

CJS 101 and ENG 145 req; CJS 200 rec. Maj/min only. Formerly COMMUNITY-BASED CORRECTIONS.

Theoretical basis, current methodology, and operations: court counselors, citizen action, half-way houses, work-release, drug abuse treatment, detention, reception and diagnostic centers, and probation and parole.

215 JUVENILE JUSTICE 3

CJS 101 req. Maj/min only or cons dept advisor.

The processing and treatment of juvenile offenders. Examines the organization, operation, and goals of the individuals, agencies, and institutions that work with youthful offenders.

240 HISTORY OF CRIMINAL JUSTICE 3

Crime and the American criminal justice system from the colonial period until the mid-20th century.

298.50 PROFESSIONAL PRACTICE: COOPERATIVE EDUCATION IN CRIMINAL JUSTICE 1 F,S,Summer

Soph/jr standing; prior dept approval req. Criminal Justice Sciences maj only. Enrollment limited, based on availability of sites. May be repeated once.

Paid, supervised experiences in local, state, and federal criminal justice agencies.

300 EVALUATIVE RESEARCH OF PROGRAMS IN CRIMINAL JUSTICE 3 F,S

CJS 101 req. Maj only or cons dept advisor.

Analyzing research in criminal justice and systematically evaluating the process and outcome of programs in the field.

303 POLICE ATTITUDES AND BEHAVIOR 3

CJS 101 req. Maj/min only or cons dept advisor req.

Analysis of police attitudes and behavior focusing on occupational roles, police social systems, community/minority relations and police practices.

304 CRIMINAL LAW 3 F,S

CJS 101 rec. Maj/min only or cons dept advisor.

Survey of criminal law, including development of substantive criminal law. Examination of judicial opinions related to the criminal justice process.

305 RULES OF EVIDENCE FOR THE ADMINISTRATION OF JUSTICE 3

CJS 101 req. Maj/min only or cons dept advisor.

Types of evidence, standards of proof, and legal requirements relating to the admissibility of evidence in court.

310 CORRECTIONAL INSTITUTIONS 3

CJS 101, 200 or cons dept advisor req. Criminal Justice Sciences maj only.

An intensive analysis of correctional institutions and jails focusing on management issues, inmate subcultures, and prisonization.

322 CORRECTIONAL COUNSELING 3

CJS 201 and cons dept advisor req.

Development of interpersonal communication and decision-making skills for direct intervention with correctional clients.

338 ALCOHOL, DRUGS, AND CRIME 3

CJS 101 req. Maj/min only or cons dept advisor req.

Analysis of the impact of alcohol and drugs on crime and the criminal justice system.

339 WOMEN IN CRIMINAL JUSTICE 3*CJS 101 req. Maj/min only or cons dept advisor req.*

Historical and theoretical perspectives and contemporary trends concerning women and crime and processing of women by the criminal justice system.

340 ORGANIZED AND WHITE COLLAR CRIME 3*CJS 101 req. Maj/min only or cons dept advisor req.*

Analysis of organized and white collar crime problem in America. Topics include prevalence, impact, laws, and investigative techniques.

360 ISSUES IN CRIMINAL JUSTICE 1-4*Maj/min only or cons dept advisor. May be repeated once; max 6 hrs if content different.*

A critical and analytical study of a contemporary issue or controversy in the field of criminal justice.

369 WORLD CRIMINAL JUSTICE SYSTEMS 3*CJS 101 or cons dept advisor req.*

Analysis of crime and criminal justice systems of selected countries. Emphasis on England, France, Sweden, Japan, and Russia.

395 CRIMINAL JUSTICE ADMINISTRATION 3-4 F,S*CJS 101, 200, 201, 207, 300 and 304; cons dept advisor. Criminal Justice Sciences maj only.*

Aspects of organizational behavior in criminal justice agencies will be considered to enable the student to better understand on-the-job experiences.

398.01 PROFESSIONAL PRACTICE: CRIMINAL JUSTICE INTERNSHIP I 6 F,S,Summer*CJS 395 and cons dept advisor req. Criminal Justice Sciences maj only. See Criminal Justice Sciences maj req for enrollment limitations.*

Field placement in a criminal justice related agency. Interns work with designated agency personnel and receive an overview of agency functions.

398.02 PROFESSIONAL PRACTICE: CRIMINAL JUSTICE INTERNSHIP II 6 F,S,Summer*CJS 395, 398.01 and cons dept advisor req. Criminal Justice Sciences maj only. See Criminal Justice Sciences maj req for enrollment limitations.*

Intensive experience in a single criminal justice agency setting.

General Department Information

Selective Admission-Retention Requirements for the Teacher Education Sequence in Family and Consumer Sciences

Selective Admission:

All Family and Consumer Sciences Education students planning to become certified teachers must apply for and be admitted to the University's Teacher Education program (see Teacher Education Admission-Retention program section of this *Undergraduate Catalog*). Upon applying for admission each Family and Consumer Sciences student must have verified the following:

1. A minimum GPA of 2.5 overall and in all Family and Consumer Sciences courses including Professional Education courses.
2. A positive recommendation for Admission to Teacher Education by all Family and Consumer Sciences faculty. See departmental advisor for procedure.
3. An interview with the Family and Consumer Sciences Education Coordinator.
4. Completion of FCS 100.

Selective Retention:

In order to receive departmental approval for a student teaching assignment the student must verify the following:

1. Maintain a GPA of 2.5 in all courses and in all Family and Consumer Sciences courses including Professional Education courses.
2. Completion of Family and Consumer Sciences 200; or the equivalent for transfer students.

HONORS IN FAMILY AND CONSUMER SCIENCES

The Department offers honors work in each Family and Consumer Sciences sequence to highly qualified juniors and seniors. Candidates must be full-time students, declared Family and Consumer Sciences majors, and have an overall 3.5 GPA and 3.7 GPA in Family and Consumer Sciences. Honors requirements include completion of 3 in-course honors at the 200-level or above (at least 2 must be taken in the Department), and a minimum of 3 hours in FCS 299 culminating in a substantial research paper. The Department also offers in-course honors work in all courses for students enrolled in the University Honors Program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor. For further information contact the departmental advisor.

Family and Consumer Sciences Programs

Degrees Offered: B.A., B.S.

MAJOR IN FAMILY AND CONSUMER SCIENCES

Human Development and Family Resources Sequence:

- 69-120 hours required, including 9-48 hours in University Studies.
- 15-hour core: FCS 100, 101, 102, 103, 104, 200, 300.

FAMILY AND CONSUMER SCIENCES (FCS)

144 Turner Hall, (309) 438-2517

Chairperson: Connie Ley.

Tenured/Tenure-track Faculty:

Professors: Ley, Lupo Shane.

Associate Professors: Canabal, Garner, Gentry, Kern, Memken, Nnakwe, Power, Winchip.

Assistant Professors: Brandes, Cullen, Dyar, Hayden, Stemm.

- 45-57-hour Sequence: FCS 226, 231, 232, 233, 244, 310, 333 and option A, B, C, or D that follows. **A.** Human Development: FCS 250, 307, 308, 309, 398 (3 hrs); SWK 323; and 6 hours from FCS 212, 305, 314, 394; SOA 123 or PSY 123; SED 109. **B.** Family Relationships: FCS 305, 307, 309, 398 (3 hrs); SWK 323; SED 362; and 6 hours from FCS 212, 250, 394; C&I 312; SOA 123 or PSY 123; SOA 262; SED 109; **C.** Consumer Services: FCS 331, 343, 398 (3 hrs); COM 165 or ENG 249; MKT 230; and 9 hours from FCS 213, 225, 311, 320. **D.** Teacher Education: FCS 203 and 382. Part of the endorsement program leading to certification by the State of Illinois for teaching Family and Consumer Sciences courses grades 6-12. Four endorsements are obtained through required Department core and sequence courses: 1) Interpersonal & Family Relationships and Parenting, 2) Consumer Education and Resource Management, 3) Interior Furnishings Services/Living Environments, and 4) Institutional and Home Management. Select a minimum of 5 hours to complete 1 or more additional endorsements: 5) Child and Day Care Services 3-5 hours from FCS 250, 307, 308, 314, or 394. 6) Food and Nutrition Services 5 hours from FCS 113, 213, 316, 318, or 319. 7) Fashion and Clothing Services 3-5 hours from FCS 122 or 220, 225, 228, 229, 323, 327, 361, or 368. 24 hours Professional Education (see C&I Professional Education Requirements in the *Undergraduate Catalog*); STT 399. See Teacher Education Admission-Retention program found in University-wide Teacher Education Program Requirements for admission and retention standards. Also see Family and Consumer Sciences Selective Admission-Retention Requirements section of this *Undergraduate Catalog*.
- 9-48 hours University Studies: ACS 150 or 155 (US 7); and A, B, C, or D corresponding to option chosen above. **A.** Human Development—BSC 170 (US 3); PSY 111 (US 5). **B.** Family Relationships—BSC 170 (US 3); PSY 111 (US 5). **C.** Consumer Services—CHE 104 (US 3); ECO 101, 102 (US 5); BEA 100 (US 7). **D.** Teacher Education: ENG 145 (US 1), COM 110 (US 1); HIS 135 or 136 (US 2), any US 2 English course, any remaining US 2 course: BSC 181 (US 3), CHE 110 & 112 (US 3); MAT 105 or 120 or 121 or 145 or 151 (US 4); POS 105 (US 5), PSY 111 (US 5), any other US 5 course except AGR 110; any US 6 course from Art, Interdisciplinary Studies, Music, or Theatre; HSC 100 or 155; any US 8 course from Art, English, History, Music, Philosophy, or Theatre. These courses satisfy the Illinois State Board of Education's General Education Certification requirements.
- Recommended University Studies or general electives: ACS 140; BEA 140, 240; COM 123, 162, 163, 223; ENG 145; MAT 120; MKT 231; POS 232; PSY 112; SOA 106, 211.

Food-Nutrition or Dietetics Sequence:

- 60 hours required, including 12 to 17 hours in University Studies.
- 15-hour core: FCS 100, 101, 102, 103, 104, 200, 300.
- 29-hour sequence: CHE 220, 242; HPR 182; FCS 113, 213, 216, 318, 319, 398 (3 hrs).
- 4 additional hours from: FCS 198, 232, 233, 287, 311, 312, 313, 315, 316, 320, 333, 393.18 (Travel Study: Foods and Nutrition), 394; HSC 350.
- 12 to 17 hours University Studies: ACS 150 or 155 (US 7); BSC 160 (US 3); CHE 110 and 112 (US 3), or CHE 140 and 141 (US 3).

- Recommended University Studies or general electives: ACS 168; COM 240, 241, 365.
- For students interested in food service management careers, a minor in Business Administration including MQM 220 is strongly recommended.
- Students interested in Dietetics must complete the following courses for American Dietetics Association (ADA) transcript evaluation: COM 110, 123 or 225, 240, 297; C&I 216; ECO 101; FCS 311, 312, 316; HSC 105; MQM 220; MAT 119; PSY 111, 215, 240; SOA 106, 180 or 184. After graduation, an ADA approved internship and ADA registration examination must be successfully completed.

Interior and Environmental Design Sequence:

- 74 hours required, including 18 hours in University Studies.
- 15-hour core: FCS 100, 101, 102, 103, 104, 200, 300.
- 41-hour sequence: ART 104, 352, 372; FCS 218, 225, 242, 244, 338, 340, 370, 375, 398 (3 hrs); IT 211.
- 18 hours University Studies: ACS 150 or 155 (US 7); ART 150 or ART 155 or ART 156 or ART 257 (US 6); BEA 100 (US 7); COM 110, 123 (US 1); PHY 100 (US 3).
- Recommended University Studies or general electives: ART 103 or 369, 226, 227, 238, 363, 378, 380, 381, 382; CHE 104; ECO 101; FCS 198, 232, 233, 248, 320, 323, 333, 343, 345, 346, 347, 365, 393.38 (Travel Study: Interior and Environmental Design); IT 110, 194, 216, 221; MKT 230, 234, 235; PSY 111; SOA 106.
- For membership in the American Society of Interior Design (ASID), students must work full time for 2 years as an interior designer prior to successful completion of the NCIDQ examination.

Apparel, Merchandising, and Design Sequence:

- 69 hours required, including 9 hours in University Studies.
- 15-hour core: FCS 100, 101, 102, 103, 104, 200, 300.
- 45-hour sequence: FCS 122 or 220, 225, 226, 328, 329 and A or B following: **A.** Fashion Merchandising: FCS 368, 369, 398 (3 hrs); MKT 230; 233 or 234 or 335; MQM 220; and 12 hours electives. **B.** Design/Production: FCS 220 or 325 or 326, 228, 322, 323 or 324, 327, 361 or 362, 365 or 398 (3 hrs) and 9 hours electives. The electives should be chosen from the following list: ART 103, 240, 241, 352; FCS 220, 228, 229, 233, 289 (Design and Production of Knitwear), 320, 322, 323, 324, 325, 326, 327, 331, 333, 361, 362, 365, 368, 369, 393 (Travel Study: Fashion Merchandising) 398; IT 110.
- 9 hours University Studies: ACS 150 or 155 (US 7); CHE 104 (US 3); ECO 101 (US 5).
- Recommended University Studies or general electives: ART 150, 155, 156, 257; ECO 102; MAT 105 or 120; PSY 111; SOA 106; THE 130.
- For Fashion Merchandising a Business Administration or Communication minor is recommended. For Apparel Design an Art minor is recommended. For Production a minor in Business Administration or Industrial Technology is recommended.

General Family and Consumer Sciences Sequence:

- 45 hours required, including 6 hours in University Studies.
- 15-hour core: FCS 100, 101, 102, 103, 104, 200, 300.
- 24 additional hours in Family and Consumer Sciences to be selected with advisor approval, 9 hours of which must be at the 300-level.

- 6 hours University Studies: ACS 150 or 155 (US 7), BSC 170 or CHE 104 or 110 or PHY 100 (US 3).

MINOR IN FAMILY AND CONSUMER SCIENCES

- 24 hours required in Family and Consumer Sciences.
- 15-hour core: FCS 100, 101, 102, 103, 104, 200, 300.
- 9 additional hours in Family and Consumer Sciences.

Selective Admission-Retention Requirements for the Teacher Education Sequence in Family and Consumer Sciences

Selective Admission:

All Family and Consumer Sciences Education students planning to become certified teachers must apply for and be admitted to the University's Teacher Education program (see Teacher Education Admission-Retention program section of this *Undergraduate Catalog*). Upon applying for admission each Family and Consumer Sciences student must have verified the following:

1. A minimum GPA of 2.5 overall and in all Family and Consumer Sciences courses including Professional Education courses.
2. A positive recommendation for Admission to Teacher Education by all Family and Consumer Sciences faculty. See departmental advisor for procedure.
3. An interview with the Family and Consumer Sciences Education Coordinator.
4. Completion of FCS 100.

Selective Retention:

In order to receive departmental approval for a student teaching assignment the student must verify the following:

1. Maintain a GPA of 2.5 in all courses and in all Family and Consumer Sciences courses including Professional Education courses.
2. Completion of Family and Consumer Sciences 200, or the equivalent for transfer students.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Family and Consumer Sciences Courses

100 INTRODUCTION TO FAMILY AND CONSUMER SCIENCES 1 F,S

Incl Clin Exp: 10 hrs, Type 1 and 10. Formerly INTRODUCTION TO HOME ECONOMICS.

The development of Family and Consumer Sciences: contribution to society, career opportunities including job characteristics, academic preparation and professional organizations.

101 HUMAN AND FAMILY DEVELOPMENT 3 F,S

Human development throughout the lifespan within the context of the developing family unit.

102 NUTRITION IN THE LIFE SPAN 3 F,S

Nutrients needed by humans. Food choices to meet nutrition needs of individuals and families throughout the life cycle.

103 MANAGEMENT FOR CONSUMERS 3 F,S

Management for individual and family problems in the home and marketplace.

104 DESIGN IN THE HUMAN ENVIRONMENT 3 F,S

Design fundamentals: principles of design and their influence on individual and family lifestyles.

106 NUTRITION US-7 2 F,S

Not for cr maj/min
Functions, sources, and recommended amounts of nutrients for various age groups. Evaluation of eating patterns.

113 PRINCIPLES OF FOOD PREPARATION 3 F,S

FCS 102 or 106 req. Materials charge optional.
Scientific principles involved in the preparation of food.

122 CLOTHING CONSTRUCTION I 3 F,S

Materials charge optional.
Basic apparel production techniques.

131 COURTSHIP AND MARRIAGE US-7 3 F,S

Not for cr maj/min.
Dynamics of dating, courtship, mate selection, preparation for marriage; adjustments in marital/interpersonal relations.

132 HOME MANAGEMENT IN CONTEMPORARY LIFE US-7 3 F,S

Not for cr maj/min.
Principles, decision making processes of using money, time, energy to meet individual and family needs.

198 PROFESSIONAL PRACTICE 1 Summer

Maj only. 2.0 GPA; 27 hrs; FCS 100; and approved application req. CR/NC only. May be repeated; max 3 hrs.
Exploration of entry-level career opportunities. Observation of professional skills and competencies of practicing home economists.

200 FAMILY AND CONSUMER SCIENCES

CAREER OPTIONS 1 F,S
FCS 100, 101, 102, 103, and 104 req. Formerly HOME ECONOMICS CAREER OPTIONS.

Exploration of careers, preparation for employment, and development of professional philosophy.

203 COMPETENCIES FOR TEACHING 4 S

C or better in C&I 214 or 215 or 216 or PSY 215 (6 hrs), or conc reg req. Field trips req. Adm to Teacher Ed req. Incl Clin Exp: 20 hrs, Type 1 and 10.

Curriculum development, evaluation, teaching strategies, and professionalism for vocational education teachers.

212 FAMILY HEALTH AND WELL BEING 2

FCS 101 req.

Relation of individual health and family well-being.

213 MEAL MANAGEMENT 3 F,S

FCS 113 req. Materials charge optional.

Meal planning based on criteria of nutritive requirements, marketing challenges, and utilization of resources. Preparation and service of meals for small groups.

216 APPLIED NUTRITION 3 F

FCS 102 or 106, HPR 182 req; CHE 242 conc reg rec.

Intermediate course focusing on physiological and biochemical basis for human nutritional requirements. Includes study of food as carrier of nutrients.

218 ENERGY SYSTEMS FOR RESIDENTIAL DESIGN 2 F,S

FCS 104 and 242 req. FCS 244 conc reg rec. Field trips. Materials charge optional.

Design and evaluation of appropriate energy systems in residential construction. Includes heating/cooling, lighting, major appliances, and sound.

220 CLOTHING CONSTRUCTION II 3

Sewing experience req. Materials charge optional.

Advanced garment construction study. Experience working with various fabrics, fitting techniques, commercial seams, and computer applications.

225 TEXTILES 3 F,S

FCS 104 req. Lecture and lab. Materials charge optional.

Fundamentals of textile science: fibers, yarns, fabrications, finishes, and dyeing. Selection and care of apparel/home furnishings fabrics. Textile legislation.

226 APPAREL 3 F,S

FCS 104 req; 101 and 103 rec.

Cultural, socio-psychological, aesthetic and economic factors related to the selection and use of apparel throughout the life span.

228 APPAREL DESIGN 3 S

FCS 104, 122 or 220, 226 req. Materials charge optional.

Application of art principles to apparel creation through computers and hand techniques. Idea development from conception through production to retailing. Style nomenclature emphasized.

229 FASHION ACCESSORIES 2

FCS 104 req. Field trips req.

Accessories for men, women, and children in relation to materials and processes, government regulations, sources, and merchandising techniques.

231 FAMILY RELATIONSHIPS 3 F,S

FCS 101 req or C&I 261 conc reg rec.

Functions of productive family units to fulfill individual and group needs. Emphasis on the skills needed by the parent.

232 ADVANCED HOME MANAGEMENT CONCEPTS 3

FCS 103 or 132 req. Field trips req.

Problem solving approach to the use of managerial components and their functional relationships to the complexities of today's living.

233 FAMILY ECONOMIC RESOURCES 3

FCS 103 req.

Economic description of the family emphasizing the family's financial, physical, and human capital investments over the life cycle.

242 DRAFTING FOR INTERIOR DESIGN 3 F,S

FCS 104 req. ART 104 or conc reg rec. Materials charge optional.

Introduces students to equipment, media, and techniques for graphic presentation of architectural design.

244 INTERIOR SYSTEMS AND HOUSING 3 S

FCS 104 req. Field trips req.

Consumer choice of dwelling and the analysis of interior spaces and equipment.

248 CONTEMPORARY INTERIOR DESIGN 2 F

FCS 104 rec. Field trips req.

Philosophies and individuals who have influenced contemporary furnishings, interiors, and structures from 1850 to present.

250 CHILD DEVELOPMENT AND GUIDANCE 3 F,S

FCS 101 req. Incl Clin Exp: 32 hrs, Type 1-4 and 10. Not to be taken conc with FCS 307.

Applied child development in day-care and nursery-school settings. Covers guidance techniques and developmentally appropriate curriculum. Observation included.

300 CONTEMPORARY ISSUES IN FAMILY AND CONSUMER SCIENCES 1 F,S

FCS 200 req. Sr standing. Formerly CONTEMPORARY ISSUES IN HOME ECONOMICS.

Issues in family and consumer sciences with particular emphasis on their relation to career options for family and consumer sciences professionals.

305 FAMILIES IN LATER LIFE 3 S

Exploration of family dynamics in later life. Emphasis on developmental tasks, needs and decision-making issues of aging family members.

307 INFANT AND PRESCHOOL CHILD 3 F

FCS 101, 250; PSY 111 req. Incl Clin Exp: 32 hrs, Type 1.

Research in the growth and behavior of the young child as related to family and society.

308 ORGANIZATION AND ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS 3 S

FCS 250 or cons inst req. Incl Clin Exp: 20 hrs, Type 10.

Administration of early childhood programs and community services responsible for guidance of young children.

309 COUPLE RELATIONSHIPS 3 F*FCS 231 req.*

An interactional approach to the study of intimate male-female pairings: establishing couple relationships and developing effective intimate pairing communication; an overview of marriage enrichment history, programs, practice, theory, and research.

310 FAMILY CRISES 3 S*Field trips.*

Cognitive and affective exploration of family crisis definition, the relationship-termination crises of death and divorce, and overview of professional helping resources.

311 COMMUNITY NUTRITION 3 F*FCS 102 or 106 req.*

Nutritional needs of selected populations vulnerable to inadequate diet; emphasis on U.S. programs designed for groups at nutritional risk.

312 DIET THERAPY 3 S*FCS 216 req.*

Planning modified diets and studying underlying diseases. Nutritional counseling of individuals and groups.

313 FOOD CUSTOMS 2 S*FCS 213 req. Materials charge optional.*

Influence of food customs of various ethnic groups on American meal patterns.

314 EARLY CHILDHOOD NUTRITION EDUCATION 3*Incl Clin Exp.*

Principles of nutrition and current research. Emphasis on the needs of young children. Guidance in implementing a sound nutritional education program.

315 NUTRITION FOR HEALTH AND PHYSICAL FITNESS 3 S*FCS 102 or 106 or cons inst; HPR 182, or BSC 181 and 182 req.*

An advanced course focusing on the physiological and biochemical importance of nutrition to health, physical fitness, and sports.

316 FOOD SCIENCE 3 F*FCS 213; CHE 110 and 112 req. Materials charge optional.*

Experimental approach to principles underlying food preparation.

318 FOOD SERVICE MANAGEMENT 3 F*FCS 103 and 213 req.*

Management of commercial foodservice systems: planning control systems, decision making, human considerations.

319 QUANTITY FOODS 3 F,S*FCS 213 req. Field trips.*

Principles, techniques, and standards required to procure, store, and produce food in quantity for institutional and commercial feeding.

320 PRESENTATION AND DEMONSTRATION TECHNIQUES 2*Incl Clin Exp: 20 hrs, Type 1 & 6, 5 & 10.*

Techniques and standards for presentations and demonstrations in various areas of family and consumer sciences.

322 FLAT PATTERN DESIGN 3*FCS 122 or 220 or equiv req. Materials charge optional.*

Computer and hand techniques in making garment patterns by the flat pattern method.

323 ADVANCED TEXTILES 3*FCS 225 req. Lecture and lab. Materials charge optional.*

Developments in the textile field, particularly man-made fibers and their products. Textile-testing techniques.

324 DRAPING AND DESIGN 3*FCS 122 or 220 req. Materials charge optional.*

Interpretation of garment designs in fabric by means of the draping procedure.

325 TAILORING 3*FCS 122 or 220 req. Materials charge optional.*

Comparative study and construction of suits and coats using recognized techniques that insure professional products.

326 FITTING AND PATTERNMAKING 3*FCS 122 or 220 or equiv req. Materials charge optional.**Formerly FITTING AND ALTERATION.*

Investigation and comparison of various methods of fitting and patternmaking for different age groups, using hand and computer techniques.

327 CLOTHING AND BEHAVIOR 3*FCS 226; SOA 106 or PSY 111 req.*

Factors that influence behavior in respect to clothing selection and use. Emphasis on research.

328 ECONOMICS OF FASHION 3*FCS 226 and ECO 101 req.*

Fashion as an economic force. Fashion's influence on production distribution and consumption of textiles and clothing.

329 APPAREL PRODUCT ANALYSIS 3 F*FCS 122 or 220; 225 and 226 req.*

Overview of apparel manufacturing and analysis of ready-to-wear apparel product quality.

330 DECISION-MAKING FOR CONSUMERS 3 F,S*Also offered as BEA 330.*

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life style, consumer protection, leisure, and achieving financial security.

331 CONSUMER MATERIALS 3*FCS 103 req; 233 rec.*

Application and evaluation of consumer information sources.

333 FAMILY AND CONSUMER PUBLIC POLICY 3 S*FCS 103 req.*

Public and private sector programs serving human needs; role of family and consumer science professional in the public policy arena.

338 HISTORY OF FURNISHINGS AND INTERIORS 3 S*FCS 104 rec.*

Furnishings and interiors from antiquity to the late 19th century.

- 340 INTERIOR DESIGN I: STUDIO** 4 F,S
FCS 225 and 242 req. FCS 244 and IT 211 conc req rec. Lecture and lab. Materials charge optional.

Design principles applied to residential space. Students examine the ways in which rooms are affected by various design elements.

- 343 CONSUMER HOUSING
 ALTERNATIVES** 3
FCS 244 req. Field trips req.

Facts, concepts, and perceptions regarding the housing alternatives confronting consumers seeking housing commensurate with current needs and future demands.

- 345 ENVIRONMENTAL DESIGN
 AS A PROFESSION** 2
FCS 340 req.

Professional principles and practice of interior design careers, including systems, forms, and logistics of money and materials.

- 346 ENVIRONMENTAL LIGHTING** 2
FCS 242 req.

The design of the luminous environment. Emphasis on lighting methods, lighting system elements, and energy conservation.

- 347 HUMAN FACTORS IN
 INTERIOR ENVIRONMENTS** 2
FCS 242 req.

Functional and aesthetic aspects of interior environments. Emphasis on interface between man-made environments and humans. Needs of special populations addressed.

- 361 FASHION HISTORY** 3 F
FCS 226 req.

Fashion from antiquity through the 19th century, with emphasis on apparel of the western world.

- 362 TWENTIETH-CENTURY FASHION** 3 S
FCS 226 req; 361 rec.

20th century fashions: the personalities and cultural forces that influence them.

- 365 DESIGN STUDIO** 3
FCS 340 and ART 352, or FCS 228 and 2 of: FCS 322, 324, 325, 326 req; 2.5 overall GPA req on date of application.

Advanced problem solving in apparel or environmental design.

- 368 FASHION PROMOTION** 3 F
FCS 226 req.

Apparel merchandising techniques with emphasis on visual merchandising, advertising, fashion shows, and related promotional activities.

- 369 FASHION MERCHANDISING** 3 S
FCS 226; MKT 230; MQM 220 req. Field trips req.

Management and operation of apparel retail firms with emphasis on store organization, salesmanship, inventory control, retail buying, and retail mathematics.

- 370 INTERIOR DESIGN II: STUDIO** 4 F,S
FCS 218, 340; ART 352 req. Field trips req. Materials charge optional.

The process of linking spaces using architectural elements. Emphasizing the design process as it affects private and public spaces.

- 375 INTERIOR DESIGN III: STUDIO** 4 F,S
FCS 370 req. Materials charge optional.

Study of design theory/analysis in relation to large-scale, comprehensive commercial interiors. Emphasis on codes regulating ergonomic and life safety issues.

- 380 ORGANIZATION AND
 ADMINISTRATION OF
 VOCATIONAL COOPERATIVE
 EDUCATION PROGRAMS** 3

Also offered as BEA 380. Incl Clin Exp: 5 hrs, Type 10.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan.

- 382 COORDINATION TECHNIQUES
 OF COOPERATIVE VOCATIONAL
 EDUCATION PROGRAMS** 3

Also offered as BEA 382 and IT 306. Incl Clin Exp: 5 hrs, Type 10.

Coordination techniques needed for high school and post-secondary teacher coordination in integrating classroom activities with daily employment.

- 394 HEALTH ASPECTS OF AGING** 3 S

Also offered as HSC 394.

Characteristics of the aging process and factors influencing adaptations and the quality of living.

- 398 PROFESSIONAL PRACTICE:
 FAMILY AND
 CONSUMER SCIENCES** 2-4 F,S,Summer
Jr/sr standing (74 hrs) req; FCS 200 and 50 percent seq req; 2.0 overall GPA on date of app req. May be repeated once. See advisor for additional seq req. Placement is not guaranteed. Prior cons dept chair req. Formerly PROFESSIONAL PRACTICE: HOME ECONOMICS.

Planned and supervised work experience in government, community, business, or industry.

- 398.01 PROFESSIONAL PRACTICE:
 CHILD DEVELOPMENT AND
 FAMILY RELATIONSHIPS**

- 398.02 PROFESSIONAL PRACTICE:
 CONSUMER SCIENCES**

- 398.03 PROFESSIONAL PRACTICE:
 FOOD-NUTRITION
 OR DIETETICS**

- 398.04 PROFESSIONAL PRACTICE:
 HOUSING AND
 ENVIRONMENTAL DESIGN**

- 398.05 PROFESSIONAL PRACTICE:
 FASHION MERCHANDISING
 AND DESIGN**

HEALTH, PHYSICAL EDUCATION, AND RECREATION (HPR)

215 Horton, (309) 438-8661

Chairperson: L. Marlene Mawson.

Tenured/Tenure-track Faculty:

Professors: Chapman, Kauth, Little, Mawson, Sparks, Stumbo.

Associate Professors: Brown, Jones, Malik, McCaw, Thomas, Turco, Vemer, Vogler, White.

Assistant Professors: Coleman, Goodwin, Kief, Kutame, J. Polacek, Riley, Sorrells, Stephens, Storsved, Weith.

General Department Information

Admission/Retention Requirements:

A student may enter the Health, Physical Education, and Recreation Major as a new freshman, a transfer student, or as a change of major at Illinois State University. Minimum qualifications exist in each of these categories. New freshmen who meet the University's admission standards may elect to become a Health, Physical Education, and Recreation major. GPA requirements for transfer student admissions are the same as the Change of Major (within Illinois State). Applications are available in the Department of Health, Physical Education, and Recreation.

HONORS IN HEALTH, PHYSICAL EDUCATION, AND RECREATION

The Department of Health, Physical Education, and Recreation offers the highly qualified major or minor student an individualized program. The final designation *Honors in Health, Physical Education, and Recreation* is earned by completing the program and fulfilling specific criteria. Additional information may be obtained from the Chairperson of the Department of Health, Physical Education, and Recreation.

PROFESSIONAL PRACTICE

Internship and cooperative education experiences are available at all levels (198, 298, 398) in Physical Education, and Recreation, and Park Administration. Students may earn from 1-16 hours. No more than 16 hours may be applied toward graduation. Professional Practice experiences are supervised work experiences in businesses, agencies, organizations, and institutions and are both paid and unpaid. For further information, contact the Professional Practice coordinator in your major.

Physical Education Programs

Degrees Offered: B.A., B.S., B.S. in Ed.

MAJOR IN PHYSICAL EDUCATION

- 40 hours required.
- Required courses: 28-hour core of HPR 160, 180, 181, 182, 240, 254, 257, 280, 282. Select 3 hours from HPR 133.27, 150.20, 150.30, 150.50, 150.60, 150.70, 150.80, 151.10, 151.20, 151.30, 152.20, 152.30, 153.10, 153.20, 281, 283, 285; THE 105, 119.

- 12 additional hours from within the Physical Education Program are required for majors not selecting a specialized sequence.
- A minimum of 8 hours of upper-division courses are required, 6 of which must be at the 300-level.
- A second major or minor, or an individualized program by advisement, is recommended.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Teacher Education Sequences:

Program of Study Leading to a 6-12 Standard Certificate:

- 79 total hours required.
- 52 hours in the following core and sequence courses required.
- 28-hour core courses: HPR 160, 180, 181, 182, 240, 254, 257, 280, 282. Select 3 hours from Movement Forms: HPR 133.27, 150.20, 150.30, 150.50, 150.60, 150.70, 150.80, 151.10, 151.20, 151.30, 152.20, 152.30; 153.10, 153.20, 281, 283, 285; THE 105, 119.
- 24-hour sequence courses: HPR 158, 221, 241, 258, 383, 391. In addition to courses taken from core, 4 hours from HPR 150.20, 150.30, 150.50, 150.60, 150.70, 150.80; 3 hours from HPR 133.27, 151.10, 151.20, 151.30, 152.20, 152.30; 2 hours from HPR 153.10, 153.20; THE 105, 119; 1 hour from HPR 281, 283, 285.
- Professional Education requirements: C&I 210 or PSY 215; (see C&I Professional Education requirements in this *Undergraduate Catalog*); STT 399.74.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Program of Study Leading to a K-12 Special Certificate:

- 76 total hours required.
- 55 hours in the following core and sequence courses required.
- 28-hour core courses: HPR 160, 180, 181, 182, 240, 254, 257, 280, 282. Select 3 hours from Movement Forms: HPR 133.27, 150.20, 150.30, 150.50, 150.60, 150.70, 150.80, 151.10, 151.20, 151.30, 152.20, 152.30, 153.10, 153.20, 281, 283, 285; THE 105, 119.
- 27-hour sequence courses: (same listing as the above sequence courses in the 6-12 Certificate, with the addition of HPR 225).
- Professional Education requirements: C&I 210 or PSY 215; (see C&I Professional Education requirements in this *Undergraduate Catalog*); STT 399.74, 399.75.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Exercise Science and Fitness Sequence:

- 68 total hours required.
- 54 hours in the following core and sequence courses required.
- 28-hour core courses: HPR 160, 180, 181, 182, 240, 254, 257, 280, 282. Select 3 hours from Movement Forms: HPR 133.27, 150.20, 150.30, 150.50, 150.60, 150.70, 150.80, 151.10, 151.20, 151.30, 152.20, 152.30; 153.10, 153.20, 281*, 283*, 285*; THE 105, 119.
- 26-hour sequence courses: HPR 154.40, 281*, 283*, 285*, 298.10, 307, 308, 309, 310, 378.10, 398.10. (*If these courses are not selected from core Movement Forms, they must be taken as deficiencies.)

- 5 hours University Studies: FCS 106; PSY 111.
- 9 hours Interdisciplinary courses: 1 course from BSC 160; FCS 315; HSC 105, PSY 333; 1 course from BSC 241; PSY 303, 304; SOA 211; 1 course from ACS 150, 155.01, 155.02; ENG 249.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Athletic Training Sequence:

- 55 total hours required.
- 55 hours in the following core and sequence required.
- 28-hour core courses: HPR 160, 180, 181, 182, 240, 254, 257, 280, 282; Select 3 hour from Movement Forms: 133.27, 150.20, 150.30, 150.50, 150.60, 150.70, 150.80, 151.10, 151.20, 151.30, 152.20, 152.30, 153.10, 153.20, 281, 283, 285; THE 105, 119.
- 27-hour sequence courses: HPR 188, 188.01, 284, 288, 378.10, 387, 388, 398.10.
- This sequence meets all necessary academic requirements for certification by the National Athletic Trainers' Association. Students interested in NATA certification should consult the Athletic Training Sequence Coordinator in the Department for further information.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Selective Admission-Retention Requirements For The Programs In Physical Education

Students who have been dismissed from the Department because of repeated academic probation may be readmitted after they have repeated "D's" and "F's" in courses required by their major, and when their cumulative GPA reaches 2.0 if they are in a non-teaching option or 2.5 if they are in a teaching option in Physical Education. Students majoring in one of the sequences leading to Teacher Certification in Physical Education must also meet the standards for Teacher Education programs described by programmatic requirements for selective admission and retention.

Teacher Education Sequence:

Selective Admission:

All Physical Education majors planning to become certified teachers must apply for and be admitted to the University's Teacher Education program (see Teacher Education program section of the *Undergraduate Catalog*). In addition to fulfilling University requirements for admission to Teacher Education, the Physical Education Major must have verified the following:

1. A minimum of 8 hours in Physical Education at Illinois State with a minimum grade of "C" in each required Physical Education course taken. The 8 hours must include HPR 158 (Instructional Strategies), HPR 221 (Elementary Physical Education Curriculum), and a minimum of 2 hours in a movement form.
2. A minimum GPA of 2.5 in major/Professional Education required courses.
3. Completion of departmental application for admission to the Teacher Education program and a projected program plan for graduation through contact with departmental advisor.
4. Participation in a personal interview with the Sequence Coordinator of Teacher Education if so requested.

5. A positive recommendation from the Sequence Coordinator based upon evidence of satisfactory progress from faculty teaching in the major program.
6. Students who fail to meet all requirements for admission to Teacher Education by established deadlines may petition through the Physical Education Teacher Education Sequence Coordinator for an extension of time. All petitions must be approved by the Office of CECF.

Selective Retention:

In order to receive departmental approval for a student teaching assignment the student must verify the following:

1. A student, after having been officially admitted to the University Teacher Education program, must maintain a GPA of 2.5 in the major/Professional Education required courses. A student falling below the required GPA will be placed on probation for 1 semester. If after 1 semester, the 2.5 GPA has not been re-established, the student will be dropped from the University Teacher Education program. The student may reapply for admission upon meeting all of the criteria again.
2. Satisfactory ("C" or better) completion of HPR 258 (Directed Experiences in Physical Education).
3. Satisfactory recommendation from the Teacher Education Sequence Coordinator following completion of the Clinical Experience in HPR 258.
4. Completion of the following additional courses with a minimum grade of "C": HPR 160, 181, 182, 221, 241, 257, and 282.
5. A student who has not been retained may appeal for reconsideration to the Physical Education Selection-Retention Committee. After consideration, the Committee will either disallow the appeal or approve reinstatement on a probationary basis for a specified period of time.

Entitlements:

Completion of the Teacher Certification Sequence in the 52-hour major and the Professional Education requirements entitles the Physical Education graduate to the 6-12 standard certificate and, the K-12 special certificate if additional student teaching assignments have been completed at the elementary level. Student choice will determine the type of student teaching assignment (elementary and secondary or secondary only) and thus the type of certification entitlement. Students who select a dual student teaching assignment are entitled to both the K-12 and 6-12 teaching certificates when they graduate if they so desire.

Graduation Requirements:

All required Physical Education courses must be completed with a grade of "C" or better.

Exercise Science and Fitness Sequence:

Selective Admission:

All students planning to major in Exercise Science and Fitness should apply for and be admitted to the Exercise Science and Fitness program. Application should occur upon completion of 30 semester hours. Transfer students need to apply as soon as they are admitted to the University. A student can be admitted when the following criteria for acceptance have been met:

1. Completion of HPR 160, 181 and 182 with a minimum of 2.5 in these courses.
2. Personal interview with Coordinator of the Exercise Science and Fitness program, if so requested.

Selective Retention:

1. After being officially admitted to the Exercise Science and Fitness program, the student must maintain a GPA of 2.5.
2. Completion of two upper-level courses in Physical Education and maintain a cumulative GPA of no less than 2.5 is required for enrollment in HPR 298.10, 378.10, and 398.10.

This sequence focuses on content areas needed for certification preparation by the American College of Sports Medicine. Students interested in ACSM certification should consult the Exercise Science and Fitness Sequence Coordinator in the Department for further information.

Graduation Requirements:

All required Physical Education courses must be completed with a grade of "C" or better.

Athletic Training Sequence:**Selective Admission:**

All students planning to become certified athletic trainers should apply for and be admitted to the Athletic Training Clinical program. Application should occur upon completion of 12 semester hours. Transfer students need to apply as soon as they are admitted to the University. The following criteria should have been met in order to be accepted:

1. Completion of HPR 181, 188, and 188.01 with a minimum GPA of 2.5 in these courses.
2. Cumulative GPA of 2.5 or higher for the semester or semesters prior to application.
3. Satisfactory completion of 100 hours of athletic training experience.
4. Personal interview with the sequence coordinator.

NOTE: Applicants compete for available spaces.

Selective Retention:

Once the student has been admitted, he/she can begin clinical work in athletic training at Illinois State University. In order to be eligible for certification by the National Athletic Trainers' Association (NATA) a student must accumulate 1500 hours of clinical work under a certified athletic trainer. If a student is accepted into the Clinical program at Illinois State University, he or she will be expected to accumulate 500 clinical hours each year. In keeping with the University requirements regarding hepatitis-B immunizations, clinical students in the program shall be immunized against this disease. In order to remain a part of the Athletic Training Clinical Sequence, the student must:

1. Maintain a cumulative GPA of 2.5 or higher.
2. Successfully fulfill clinical responsibilities and make satisfactory progress toward completion of 1500 hours.
3. Be admitted to the Clinical program before registering for HPR 298.10.

NOTE: If the above requirements are not maintained, the student will be placed on probation for 1 semester, during which time he/she will not be given a clinical assignment. If after 1 semester of probation, the student has failed to meet the requirements, he or she will be dropped from the Athletic Training Sequence.

MINOR IN PHYSICAL EDUCATION**Elementary Physical Education Sequence:**

This is a Teacher Education program.

- 28 hours in HPR required.
- Required courses (16 hrs): HPR 158, 181 or 182, 221, 241, 383.
- Elective courses (12 hrs): 6 hours from HPR 225, 257, 280, 282. Select 1 course from HPR 150.20, 150.30, 150.50, 150.60, 150.70, 150.80; 1 course from HPR 133.27, 151.10, 151.20, 151.30, 152.20, 152.30; 1 course from HPR 153.10, 153.20; THE 105, 119; 1 course from HPR 281, 283, 285; 2 additional courses from any of the above Movement Forms.

Secondary Physical Education Sequence:

This is a Teacher Education program.

- 25 hours in HPR required.
- Required courses (13 hrs): HPR 158, 181 or 182, 241, 383.
- Elective courses (12 hrs): 6 hours from HPR 225, 257, 280, 282; Select 1 course from HPR 150.20, 150.30, 150.50, 150.60, 150.70, 150.80; 1 course from HPR 133.27, 151.10, 151.20, 151.30, 152.20, 152.30; 1 course from HPR 153.10, 153.20; THE 105, 119; 1 course from HPR 281, 283, 285; 2 additional courses from any of the above Movement Forms.

Athletic Coaching Sequence:

This is a non-teaching program, not recognized as a teaching area in Illinois.

- 23 hours in HPR required.
- Required courses (11 hrs): HPR 181, 182, 207, 284; 2 hours from HPR 180, 240, 281, 283, 285, 298.10; 3 hours from HPR 280, 282; 4 hours from HPR 210, 211, 212, 213, 215; 3 hours from HPR 254, 306, 320, 387.

Athletic Training Sequence:

This is a non-teaching program, not recognized as a teaching area in Illinois. This sequence meets all necessary academic requirements for certification by the National Athletic Trainers' Association. Students interested in NATA certification should consult the Athletic Training Program Coordinator in the Department for further information.

- 24 hours in HPR required.
- Required courses (24 hrs): HPR 181, 182, 188, 188.01, 240, 280, 282, 284, 288, 387 or 388.

Recreation and Park Administration Program

Degree Offered: B.S.

Students may obtain advising material related to Recreation and Park Administration in the Department's main office. The Health, Physical Education, and Recreation academic advisor will assist students with planning and completing an academic plan of study.

MAJOR IN RECREATION AND PARK ADMINISTRATION**Admission Requirements:**

1. Students must have an overall minimum GPA of 2.0.
2. Students must have completed: HPR 170, 171, 198.30.
3. Students must complete a departmental application. Applications are available in the departmental advisement office.

Commercial Recreation Sequence:

- 79 hours required of which 12 satisfy University Studies requirements.
- Required courses: (39 hrs of core courses) HPR 170, 170.01, 171, 198.30, 270, 271, 298.30, 375, 376, 378.30, 398.30; (12 hrs of sequence courses) HPR 275, 277, 374, 377.
- Interdisciplinary requirements (16 hrs of additional courses) as follows: ACC 131; MKT 230; FIL 208; 6 hours selected from ACC 132; FIL 209, 240, 260; MQM 100, 220, 226; MKT 233; 1 hour selected from approved Art, Music, Theatre, or Health, Physical Education, and Recreation activity courses.
- University Studies requirements: ENG 101; COM 110 or 123 or 223; ECO 101; ACS 150 or 155.01.
- Non-business majors who desire to elect more than 30 hours of their coursework in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor.

Program Management Sequence:

- 77 hours required of which 15 satisfy University Studies requirements.
- Required courses: (39 hrs of core courses) HPR 170, 170.01, 171, 198.30, 270, 271, 298.30, 375, 376, 378.30, 398.30; (12 hrs of sequence courses) HPR 275, 276, 371, 374.
- Interdisciplinary requirements (11 hrs of additional courses) as follows: 6 hours selected from ACC 131; FIL 208; MQM 220, 323; MKT 230; 5 hours selected from approved Art, Music, or Theatre (1-3 hrs), and Health, Physical Education, and Recreation (1-4 hrs) activity courses.
- University Studies requirements: ENG 101; COM 110 or 123 or 223; ECO 101; PSY 111 or SOA 106; ACS 150 or 155.01.
- **NOTE:** Students graduating from this program are immediately eligible to sit for the examination to become a Certified Leisure Professional.

Therapeutic Recreation Sequence:

- 82 hours required of which 15 satisfy University Studies requirements.
- Required courses: (39 hrs of core courses) HPR 170, 170.01, 171, 198.30, 270, 271, 298.30, 375, 376, 378.30, 398.30; (12 hrs of sequence courses) HPR 273, 278, 279, 373.
- Interdisciplinary courses (16 hrs of additional courses) as follows: 6 hours selected from HSC 105; HPR 181 or 182; 6 hours selected as follows: PSY 112 and 350, 4 hours selected from approved Art, Music, Theatre, (3 hrs) and Health, Physical Education, and Recreation (1 hr) activity courses.
- University Studies requirements: ENG 101; COM 110 or 123 or 223; PSY 111; SOA 106; ACS 150 or 155.01.

— **NOTE:** Students graduating from the Therapeutic Recreation Sequence who have met all the NCTRC requirements are immediately eligible to sit for the exam to become a Certified Therapeutic Recreation Specialist.

MINOR IN RECREATION AND PARK ADMINISTRATION

- 24 hours required.
- Required courses: HPR 170, 170.01, 171, 198.30, 270, 271, 375, 376.
- 3 hours of courses selected from: HPR 273, 275, 276, 277, 278, 279, 371, 373, 374, 377.

Physical Education Courses

Some sections of these courses may be restricted to Health, Physical Education, and Recreation majors.

An optional locker and towel charge will be assessed for students in selected Physical Education activity courses.

100 ADAPTED ACTIVITIES AND MEDICALLY PRESCRIBED EXERCISES 1 F,S

For persons assigned by the Health Service or a personal physician. CR/NC basis only. May be repeated if necessary.

Medically prescribed exercises for handicapped students, faculty, and community members in need of corrective and rehabilitative programs.

101 CROSS-COUNTRY SKIING 1 S

Introduction to cross-country skiing emphasizing techniques, selection and care of equipment, safety and touring.

104 NEUROMUSCULAR RELAXATION 1 F,S

Not for cr if had 154.40.

The study and practice of neuromuscular relaxation as a method of recognizing and controlling tension. The Jacobsen progressive relaxation technique will be employed.

105 BADMINTON I 1 F,S

Not for cr if had HPR 150.20. Materials charge optional.

Introduction to the basic strokes and strategies of badminton. Tournament play in singles and/or doubles.

106.02 BASKETBALL II 1 F,S

Development of intermediate and advanced skills and strategies of basketball.

107 WALK/JOG/RUN 1 F,S

Walking, jogging, and running as modes for developing and/or maintaining physical fitness.

108 BILLIARDS I 1 F,S

Materials charge optional.

Basic shooting techniques with focus on stance, bridge and cue ball contact. Experience in games of Basic Pocket Billiards, Rotation and Eight Ball.

108.02 BILLIARDS II 1 F,S

HPR 108 or intermediate playing ability req. Materials charge optional.

Development of complex skills such as Caroms, Banks, and combination shots. Emphasis on spin, and the application of English.

112 BOWLING I 1 F,S

Not for cr if had HPR 150.30. Materials charge optional.

Development of basic skills and knowledge for the beginning bowler.

112.02 BOWLING II 1 F,S

HPR 112 or intermediate skill in bowling req. Materials charge optional.

Development of more consistency with strikes and spares, an understanding of taps, lane conditions, ball tracks. Participation in a variety of tournaments.

113 PERSONAL FITNESS US-7 3 F,S

Not for cr Physical Education maj. Materials charge optional.

The development of a personalized, comprehensive fitness program based on knowledge and understanding of the specific effects of exercise. Lecture and lab.

114 NAUTILUS CONDITIONING 1 F,S

Not for cr if had HPR 285.

Basic techniques and knowledge necessary to increase muscular strength through the use of nautilus resistive isotonic exercise equipment.

119 GOLF I 1 F,S

Not for cr if had HPR 150.50. Materials charge optional.

A basic course in golf designed for the beginner or high handicap golfer.

119.02 GOLF II 1 F,S

HPR 119 or evidence of intermediate skills in golf req. Materials charge optional.

Designed for experienced or low handicap player. Refinement of basic and advanced strokes. Development of game and course strategy.

126 AEROBICS 1 F,S

Not for cr if had HPR 281.

Introduction to aerobics designed to develop and improve strength, flexibility, and cardiovascular endurance.

127 SWIMMING I 1 F,S

Not for cr if had HPR 150.30. Materials charge optional. Formerly SWIMMING I - BEGINNING.

For the fearful or non-swimmer with no aquatic skills. Instruction in adjustment experiences, basic techniques of safety, survival, and propulsion.

127.02 SWIMMING II-INTERMEDIATE 1 F,S

Materials charge optional.

For swimmers with limited skills. Emphasis on basic strokes and introduction to basic diving techniques.

127.03 SWIMMING III-ADVANCED 1 F,S

Materials charge optional.

For moderately skilled swimmers to develop and refine strokes and related aquatic skills.

127.10 AQUATIC FITNESS 1 F,S

Not for cr if had HPR 283. May be repeated once. Ability to swim not req.

Shallow water aerobic exercise and/or lap swimming programs to develop and maintain physical fitness.

131 LIFEGUARDING 2 F,S

American Red Cross Level 6; skill proficiency swim certificate or equivalent skill level req. Formerly LIFE SAVING.

For highly skilled swimmers to learn special skills of life guarding, rescue techniques, and water safety procedures. Opportunity for ARC certification.

132 WATER SAFETY INSTRUCTOR 2 F,S

Current American Red Cross Community Water Safety, or Lifeguarding certificate or equivalent skill req. Formerly WATER SAFETY INSTRUCTOR'S COURSE.

Analysis of techniques in and methods of teaching swimming and water safety. Opportunity for American Red Cross-Water Safety Instructor certification.

133 SELECTED ACTIVITIES 1 F,S

Selected beginning and/or intermediate activities offered as experimental programs.

133.27 ADVENTURE EDUCATION 1 F

Insurance clearance, liability and medical release waivers. Materials charge optional.

Development of challenge education skills and strategies. Emphasis on class safety, organization, teaching progressions, leadership, and instructional skills.

136 VOLLEYBALL I 1 F,S

Not for cr if had HPR 151.30.

Basic skills, rules, and strategies involved in the game of volleyball, and application in tournament play.

136.02 VOLLEYBALL II 1 F,S

HPR 136 or intermediate skill in volleyball req.

Advanced knowledges, skills, and strategies of the game of volleyball, and application in a competitive situation.

137 SOCCER 1 F

Not for cr if had HPR 152.30.

Basic skills, rules, and strategies necessary for game play. Fundamentals emphasized with application in competitive play.

139 GYMNASTICS I 1 F,S

Not for cr if had HPR 150.60.

Basic elements in floor exercise, vaulting, balance beam, and uneven bars for women and basic elements in floor exercise, pommel horse, rings, vaulting, and parallel bars for men.

142 TENNIS I 1 F,S

Not for cr if had HPR 150.70. Materials charge optional.

Introduction to the basic strokes and beginning strategy of tennis. Tournament play in singles and/or doubles.

142.02 TENNIS II 1 F,S

HPR 142 or equiv skills req. Materials charge optional.

Introduction to intermediate strokes and review of basic strokes. Emphasis on doubles play.

146 MILITARY PHYSICAL CONDITIONING 1 F,S

May be repeated; max 4 hrs. Restricted to Military Science students.

Practical experience in the structure, techniques, and conduct of military physical conditioning to develop total fitness and leadership ability.

147 WEIGHT TRAINING 1 F,S*Not for cr if had HPR 285.*

Basic knowledge and concepts of use of resistive exercises to increase muscular strength and endurance. Participation in an individual weight program.

149 FLAG FOOTBALL 1 S*Not for cr if had HPR 152.20.*

Development of fundamental football skills and strategies needed for game of flag football.

150.20 BADMINTON PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly BADMINTON INSTRUCTIONAL METHODS. Materials charge optional.*

Introduction to the basic strokes and strategies of badminton. Emphasizes teaching strategies and class organization utilized in badminton.

150.30 SWIMMING PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Materials charge optional.*

Introduction to teaching swimming, water safety, and fitness. Includes course planning, practice teaching, and skill analyses.

150.50 GOLF PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly GOLF INSTRUCTIONAL METHODS. Materials charge optional.*

Presentation of basic skills and knowledges in golf methods and procedures for golf teaching.

150.60 GYMNASTICS PERFORMANCE AND ANALYSIS 1 F*Maj/min. Formerly GYMNASTICS INSTRUCTIONAL METHODS.*

Instruction in the basic skills and techniques of various gymnastics events with emphasis on spotting and teaching strategies.

150.70 TENNIS PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly TENNIS INSTRUCTIONAL METHODS. Materials charge optional.*

Introduction to the basic strokes and knowledge of tennis. Emphasizes teaching strategies and class management utilized in tennis.

150.80 TRACK AND FIELD PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly TRACK AND FIELD INSTRUCTIONAL METHODS.*

Instruction in the basic skills and techniques of various track and field events. Techniques of teaching will be presented.

151.10 BASKETBALL PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly BASKETBALL INSTRUCTIONAL METHODS.*

Development of fundamental basketball skills with emphasis on selected teaching progressions, drills, and strategies.

151.20 SOFTBALL INSTRUCTIONAL METHODS 1 F,S*Maj/min.*

Development of fundamental softball skills and strategies. Class organization, teaching progressions, skill analyses, management and instructional skills will be emphasized.

151.30 VOLLEYBALL PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly VOLLEYBALL INSTRUCTIONAL METHODS.*

Basic skills and strategies involved in the game of volleyball, and application in game play. A teaching progression is emphasized.

152.20 FLAG FOOTBALL PERFORMANCE AND ANALYSIS 1 F*Maj/min. Formerly FLAG FOOTBALL INSTRUCTIONAL METHODS.*

Development of basic skills and strategies. Selected organizational and instructional procedures appropriate for teaching flag football.

152.30 SOCCER PERFORMANCE AND ANALYSIS 1 S*Maj/min. Formerly SOCCER INSTRUCTIONAL METHODS.*

Basic skills, rules and strategies for game play; safety; selected organizational and instructional procedures appropriate for teaching soccer.

153.10 FOLK AND SOCIAL DANCE PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly FOLK AND SOCIAL DANCE INSTRUCTIONAL METHODS.*

Fundamental skill concepts of folk and social dance. Class organization, selected teaching methods, and assessment of skills included.

153.20 SQUARE DANCE PERFORMANCE AND ANALYSIS 1 F,S*Maj/min. Formerly SQUARE DANCE INSTRUCTIONAL METHODS.*

Basic fundamental skill concepts of square dance. Class organization, selected techniques of teaching, calling, and assessment of skills included.

154.40 NEUROMUSCULAR RELAXATION INSTRUCTIONAL METHODS 1 F,S*Maj/min.*

Study of stress and how it affects the body. Practice of neuromuscular relaxation techniques, and teaching methods for relaxation.

158 INSTRUCTIONAL STRATEGIES IN PHYSICAL EDUCATION 3 F,S*Incl Clin Exp: 20 hr, Type 1-4, 5-1, 6-15.*

Introduction to planning and teaching physical education. Includes lesson planning, practice of teaching skills through micro teaching, peer teaching, analysis of teaching.

160 FOUNDATIONS OF HUMAN MOVEMENT 3 F,S

Identification of foundational concepts in physical education, including historical and philosophical orientations, sub-disciplinary movements, career development, and physical education issues.

180 FIRST AID US-7 2 F,S

Certificate may be purchased from ARC.

Accident prevention and action to be taken in cases of accident and sudden illness in the home, school, and community. Students successfully completing this course will have an opportunity to receive certification in Red Cross Standard First Aid. Instruction in CPR techniques and opportunities for certification in CPR is also provided.

181 HUMAN ANATOMY AND PHYSIOLOGY 3 F,S

Lecture and lab.

Gross structure and physiology of the human body; particular attention to the locomotor system.

182 HUMAN ANATOMY AND PHYSIOLOGY 3 F,S

Emphasis on the nervous, circulatory, respiratory, and digestive systems.

188 INTRODUCTION TO ATHLETIC TRAINING 2 F,S

HPR 188.01 conc reg req. Materials charge optional. Formerly BANDAGING, TAPING, AND TRAINING ROOM MANAGEMENT.

Introduction to the field of athletic training, including history, professional developments, certification requirements, responsibilities, skills, facilities, and clinical settings.

188.01 CLINICAL PRACTICUM IN ATHLETIC TRAINING 1 F,S

HPR 188 conc reg req.

Introduction to the actual experience of athletic training by observation and clinical practice.

207 THE COACH IN ORGANIZED SPORTS AND ATHLETICS 2 F,S

HPR 181 req.

An introduction to interschool athletic programs including basic philosophy, governing organizations, administrative duties of coaches and direct coaching responsibilities.

211 BASKETBALL COACHING 2 F,S

HPR 207 or previous experience as a player or youth coach or cons inst req. Soph standing req.

A course for professional preparation of coaches of basketball. Included are history, philosophy, techniques, and tactics of basketball.

212 FOOTBALL COACHING 2 F

HPR 207 or previous experience as a player or youth coach or cons inst req. Soph standing req.

Theory and techniques of basic offensive and defensive football. The history, development of trends, modern innovations are included.

213 TRACK AND FIELD COACHING 2 S

HPR 207 or previous experience as a player or a youth coach or cons inst req. Soph standing req.

Understanding and application of various training methods and coaching techniques in track and field events.

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215 VOLLEYBALL COACHING 2 F

HPR 207 or previous experience as a player or youth coach or cons inst req. Soph standing req.

Techniques and methods of coaching volleyball, including teaching techniques, conditioning, strategies, practice situations, and management techniques.

221 ELEMENTARY PHYSICAL EDUCATION CURRICULUM 3 F,S

Incl Clin Exp: 4 hrs, Type 1 and 5.

Planning a program of physical education for elementary school children. Progressions within activities, techniques of organization, and methods of teaching. Observations of children and laboratory sessions in activities.

222 PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHER 2 F,S

Jr. standing. Not for cr maj. No cr if in El Ed core prog. Incl Clin Exp.

Factors essential to program planning in physical education grades one through six. Types and progression of activities; methods and techniques of class organization. Observations of children and laboratory sessions in activities.

225 MOTOR DEVELOPMENT OF CHILDREN 3 F,S

Incl Clin Exp: 4 hrs Type 1 and 4.

Motor development related to anatomical growth and sensory development in the child from infancy to puberty. Mechanisms and theories of perceptual motor development, research findings, and implications for physical education.

240 PRINCIPLES AND APPLICATIONS OF FITNESS TRAINING PRINCIPLES 2 F,S

Maj/min. HPR 181 and 182 req. Formerly 280.01, FITNESS TRAINING INSTRUCTIONAL METHODS.

Individualized approach to development of a healthy lifestyle based upon knowledge and understanding of the specific effects of exercise.

241 SECONDARY PHYSICAL EDUCATION CURRICULUM AND EVALUATION 4 F,S

C&I 214. Incl Clin Exp: 26 hrs, Type 1-5.

Development and administration of secondary physical education programs. Concepts and techniques of evaluation appropriate for the program and the learner in physical education.

254 SOCIO-PSYCHOLOGICAL PERSPECTIVES IN PHYSICAL ACTIVITY 3 F,S

HPR 160 or cons inst req.

Survey of cultural, philosophical, social and psychological factors influencing the nature, evolution and maintenance of informal and formal physical activities.

257 MOTOR LEARNING AND PERFORMANCE 3 F,S

Maj/min. HPR 160 or cons inst req. Formerly HPR 157, MOTOR BEHAVIOR.

Study of processes involved in acquiring and perfecting motor skills and effects of aging on acquisition of those skills.

- 258 DIRECTED PRACTICUM IN PHYSICAL EDUCATION** 3 F,S
Dept pre-enr req. Student must have 2 consecutive hours between 8 a.m. and 3 p.m. (e.g., 9-11 a.m.) free daily. HPR 158 and 221 req. Adm to Teacher Ed req. Incl Clin Exp: 40 hrs Type 1-5. Materials charge optional. Formerly DIRECTED EXPERIENCES IN PHYSICAL EDUCATION.

Arranged Clinical Experience assignment that includes observation, participation, and teaching in elementary physical education. Seminar meets three times per week.

- 280 EXERCISE PHYSIOLOGY** 3 F,S
Maj/min. HPR 181 and 182 req.

Application of human anatomy and physiology to the understanding of physical education. Effects of exercise on body systems and performance.

- 281 AEROBIC DANCE INSTRUCTIONAL METHODS** 1 F,S
Maj/min. HPR 280 and 280.01 req.

Introduction to teaching aerobic dance for various populations. Includes course planning, practice teaching experiences and preparation for Aerobic Instructor Certification.

- 282 KINESIOLOGY** 3 F,S
HPR 181 req. Lecture and lab. Materials charge optional.

Analysis of human motion based on anatomic and mechanical principles. Application of these principles in teaching physical education activities.

- 283 AQUATIC FITNESS INSTRUCTIONAL METHODS** 1 F,S
Maj/min. HPR 280 and 280.01 req.

Introduction to teaching aquatic fitness and exercise. Includes course planning and practice teaching experiences and preparation for Aquatic Exercise Instructor Certification.

- 284 INTRODUCTION TO ATHLETIC INJURIES** 3 F,S
HPR 181 or cons inst req.

Emphasis upon responsibilities, limitations, liabilities, taping and bandaging, evaluation, prevention, and treatment of athletic injuries.

- 285 RESISTIVE EXERCISE INSTRUCTIONAL METHODS** 1 F,S
Maj/min. HPR 280 and 280.01 req.

Instructor preparation for creating individualized resistive exercise programs for persons across the age span. Includes personal skill development.

- 288 THERAPEUTIC MODALITIES AND REHABILITATION** 2 F
HPR 181 and 188, or cons Athletic Training Coord req.
 Theory and application in the use of therapeutic modalities in athletic training and in rehabilitation of athletic injuries.

- 295 HONORS SEMINAR** 1 F,S
 Introduction to independent Honors study; identification and definition of problems; selected methods for problem solving; use of library resources.

- 298.10 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION EXPERIENCE IN PHYSICAL EDUCATION, SPORTS AND ATHLETICS** 2 F,S
Jr standing; 2 upper-level courses in Physical Education. May Incl Clin Exp in selected school activities. Materials charge optional.

A Professional Practice experience in community sites for non-teacher certification majors. May include coaching experience in public schools for coaching minors. Periodic seminar meetings.

- 298.30 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN RECREATION AND PARK ADMINISTRATION** 3 F,S, Summer
HPR 271 or cons inst req. Jr standing rec. Materials charge optional.

Application of knowledge and skills in recreation programming to practical situations within a leisure service delivery system.

- 304 TEACHING OF SPORTS** 3 F
 Optimal learning in human movement: content, teacher behavior, situational conditions, analysis of sports, instructional approaches, application and research.

- 306 PSYCHOLOGY OF SPORT** 3 F
HPR 254 or conc inst req.
 Psychological principles and concepts applied to sport situations and to individuals involved with sport activities.

- 307 EXERCISE IN HEALTH AND DISEASE** 3 F
HPR 280 and 280.01 req.

Application of exercise physiology principles to evaluate the extent to which common disease processes limit body function and exercise performance.

- 308 EXERCISE PROGRAMMING** 3 S
HPR 280, 280.01, and 307 req.

Development of fitness instructor skills for designing exercise programs for populations of normal, at-risk, and others with special exercise needs.

- 309 PRINCIPLES AND TECHNIQUES OF PHYSIOLOGICAL TESTING** 3 S
HPR 181, 182, 280, 281 and 307 req. Materials charge optional.

Application of various laboratory exercise testing modalities for evaluating human physiological function.

- 310 FITNESS MANAGEMENT** 2 F
Maj/min. HPR 298.10 req.

Theories of organization and principles of management applied to fitness programs in the commercial, community, medical, and worksite settings.

- 317 SOCIOLOGY OF SPORT** 3 S
Also offered as SOA 317.

The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups and collective behavior.

320 DEVELOPMENTAL ASPECTS**OF YOUTH SPORT 3 F**

At least 1 of the following: HPR 254, 306; PSY 112, 301, 302, or cons inst req.

Effects of sport and competitive physical activities on the biophysical and psychosocial development of young people.

342 OCCUPATIONAL**BIOMECHANICS 3 F**

HPR 181; HSC 271; PHY 108; MAT 120 or 145 or cons inst req. Materials charge optional.

Application of biomechanical principles to the solution of problems related to the interaction of the worker with the workplace.

352 BIOMECHANICS OF**HUMAN MOVEMENT 3 F,S**

HPR 282 or cons inst req. PHY 108 and MAT 108 rec. Materials charge optional.

Amplification of kinematics, including kinetics of human movements; introduction to high-speed cinematography, biomechanics instrumentation and computer analysis.

353 ELECTROCARDIOGRAPHY 1 F

HPR 182 or cons inst req.

Relationships of electrocardiographic complexes to the anatomy and physiology of the heart under selected conditions of health, disease, and exercise.

**372 CAMP LEADERSHIP PRACTICUM
WITH PHYSICALLY****HANDICAPPED 3 Summer**

Cons chair Specialized Educational Development and chair Health, Physical Education, and Recreation req. May be repeated. Materials charge optional.

Counseling experience in a summer camp for physically handicapped children. Conferences on planning of daily activities, equipment, and general program.

**378.10 SEMINAR IN PROFESSIONAL
PRACTICE 2 F,S**

HPR 298.10 or 298.30; 2.10 GPA req. Sr standing req.

Orientation to the expectations and problems encountered in Senior professional practice in physical education, sports, and athletics. Formal application and placement of professional practice students.

383 ADAPTED PHYSICAL EDUCATION 3 F,S

HPR 181 or BSC 181 req. Incl Clin Exp. 15 hrs, Type 4.

Handicapping conditions and methods, materials, and activities for adapted physical education programs in pre-school, elementary, secondary, and self-contained schools.

**385 PHYSICAL DISABILITIES: SURVEY
AND REHABILITATION 3 F,S**

BSC 381 or HPR 282 req. Also offered as SED 385. Lecture and lab. Incl Clin Exp.

Identification and treatment of physical defects of handicapped children; special services, equipment, and procedures for school programs.

387 ADVANCED ATHLETIC INJURIES 3 S

HPR 284 req.

Concentrated study of specific athletic injury problems; attention given to nutrition, drugs, conditioning and rehabilitation.

388 EVALUATION OF**ATHLETIC INJURIES 2 S**

HPR 181 and 188, or cons Athletic Training Coord req.

The study and practice of techniques used when evaluating athletic injuries ranging from minor to life-threatening trauma.

**391 CREATING POSITIVE LEARNING
ENVIRONMENTS IN****PHYSICAL EDUCATION 1 F,S**

STT 399.74 and/or 399.75 conc reg or cons inst req.

Strategies for developing and implementing effective behavior management plans in physical education programs based on sound education practices.

**398.10 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION IN PHYSICAL
EDUCATION, SPORTS****AND ATHLETICS 1-14 F,S,Summer**

HPR 298.10 or 298.30, 378.10; 2.20 GPA; sr standing req. Materials charge optional.

Jointly planned and supervised internship/cooperative education experience under the guidance of professionally qualified personnel from business, industry, government, and other agencies and organizations and University faculty supervisors.

Recreation and Park Administration Courses

**170 INTRODUCTION TO LEISURE
AND RECREATION 3 F,S**

Nature, scope, and significance of recreation and leisure. Introduction to the professional areas of recreation and leisure delivery systems.

**170.01 LABORATORY AND FIELD
EXPERIENCE IN RECREATION 1 F,S**

HPR 170 conc req. May be repeated; max 2 hours.

Enhances understanding of leisure service delivery through direct exposure to a large variety of settings, clientele, and professionals.

171 RECREATION LEADERSHIP 3 F,S

HPR 170 and 170.01 or conc reg req. Conc reg HPR 198.30 req.

Leadership skills in recreation, conducting and developing activities; utilizing group facilitation techniques.

175 LEISURE IN SOCIETY 3 F,S

Introduction of leisure in historical and contemporary perspectives. Relationships between leisure and other societal institutions. Determinants of leisure behavior.

**198.30 PROFESSIONAL PRACTICE
RECREATION LEADERSHIP 1 F,S**

HPR 170 and 170.01 or conc reg req. HPR 171 conc reg req. Materials charge optional.

Application of recreation leadership knowledge and skills in practical situations within a leisure service delivery system.

270 RECREATION FOR PEOPLE

WITH DISABILITIES 4 F,S
HPR 170, 170.01, 171, and 198.30 or cons inst req.
Formerly 370. Lecture and lab. Materials charge optional.

Leadership, assistive techniques/devices and disability issues related to recreation programming for individuals with mental, physical, social and emotional limitations.

271 RECREATION PROGRAMMING 3 F,S

Maj/min. HPR 171 req.

Comprehensive recreation program design including planning, organizing, promoting, and evaluating programs in a variety of leisure service delivery systems.

273 INTRODUCTION TO THERAPEUTIC RECREATION 3 F

HSC 105; HPR 181 or 182; 271 or cons inst req.

Foundation concepts of therapeutic recreation including history, social issues, professional issues, and basic program design.

275 PLANNING AND DESIGN OF RECREATION FACILITIES 3 F,S

HPR 271 req.

Techniques and principles of site planning, design, and development of facilities in parks and recreation settings.

276 COMMUNITY RECREATION 3 F

COM 110; ECO 101; HPR 271 req. Materials charge optional.

Overview and investigation of the practices, strategies, and analysis of community-based leisure service delivery systems.

277 COMMERCIAL RECREATION AND TOURISM 3 F

ACC 131; ECO 101; HPR 271 req.

Study of development, management, and future of profit-motive recreational agencies emphasizing employment possibilities.

278 THERAPEUTIC RECREATION SERVICE DELIVERY 3 F

HPR 271 and 273 req or cons inst req.

Design of comprehensive and specific intervention programs used in the delivery of therapeutic recreation services. Focus on accountability and evaluation.

279 THERAPEUTIC RECREATION CLIENT DOCUMENTATION 3 S

HPR 278 or cons inst req. Formerly PRINCIPLES OF THERAPEUTIC RECREATION.

Focus on systematic and accountable client documentation (assessment, treatment plans, progress notes, discharge/referral summaries) for therapeutic recreation intervention programs.

295 HONORS SEMINAR 1 F,S

Advanced readings and critical discussion of recreation with broad areas of concern in social, philosophical, and scientific bases.

298.30 PROFESSIONAL PRACTICE: INTERNSHIP AND COOPERATIVE EDUCATION IN RECREATION AND PARK ADMINISTRATION 3 F,S,Summer

HPR 271 or cons inst req. Jr standing rec. 2.1 GPA req. Materials charge optional.

Application of knowledge and skills in recreation programming to practical situations within a leisure service delivery system.

298.32 PROFESSIONAL PRACTICE: INTERNSHIP AND COOPERATIVE EDUCATION IN THERAPEUTIC RECREATION 3 F,S,Summer

HPR 271 or cons inst req. Jr standing rec.

Application of knowledge and skills in recreation programming to practical situations within a therapeutic recreation service delivery system.

298.33 PROFESSIONAL PRACTICE: INTERNSHIP AND COOPERATIVE EDUCATION IN COMMERCIAL RECREATION 3 F,S,Summer**298.34 PROFESSIONAL PRACTICE: INTERNSHIP AND COOPERATIVE EDUCATION IN PROGRAM MANAGEMENT** 3 F,S,Summer**359 CAMP LEADERSHIP PRACTICUM WITH THE DISADVANTAGED CHILD** 3 Summer

Cons inst req. Students are required to live at the camp during the practicum. May be repeated.

Practical experiences in camp counseling and administration in a resident group setting with disadvantaged children.

371 OUTDOOR RECREATION 3 S

HPR 271 req.

Overview of outdoor recreation concepts and management principles.

373 LEISURE EDUCATION AND FACILITATION TECHNIQUES 3 S

HPR 273 or cons inst req. Lecture and lab.

Advanced study of leisure education models and concepts; application and understanding of facilitation techniques in therapeutic recreation services.

374 ADVANCED RECREATION PROGRAMMING 3 S

HPR 298.30; 273, 276 or 277; ACS 150 or 155.01. Fieldwork req.

Application of recreation programming principles to a field setting which includes assessment, planning, organizing, implementing and evaluation functions.

375 RECREATION AND PARK ADMINISTRATION 3 F,S

HPR 271 req; 298.30 rec.

Administrative/management functions in the operation of organized recreation and leisure delivery systems.

376 EVALUATING AGENCY SERVICES 3 F,S

HPR 271 or cons inst req. Materials charge optional.

Use and methods of evaluation, including conceptualization, implementation and report preparation, with application to leisure service delivery systems.

**377 PRACTICES AND ISSUES IN
COMMERCIAL RECREATION** 3 S

HPR 277 req. Materials charge optional.

Analysis of selected practices, issues, and current trends confronting commercial recreation business enterprises.

**378.30 PROFESSIONAL ISSUES IN
RECREATION AND PARK
ADMINISTRATION** 3 F,S

Constitution Examination; University Writing Examination; HPR 298.30; 2.2 GPA req. Sr standing req.

In-depth analysis of selected trends, issues, problems confronting leisure service and recreation practitioners in contemporary settings, and professional practice selection.

**398.30 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION IN
RECREATION AND PARK
ADMINISTRATION** 1-12 F,S,Summer

HPR 378.30; overall 2.2 GPA req.

Supervised in-service practice under the guidance of professionally qualified personnel in leisure service agencies and University faculty.

HEALTH SCIENCES (HSC)

Moulton Hall, (309) 438-8329

Acting Chairperson: Roger Weller.

Tenured/Tenure-track Faculty:

Professor: Bienna.

Associate Professors: Arnold, Kasa.

Assistant Professors: Bellinger, Broadbear, Deal, Janicak, Kelley, Keyser, Krishnan, LaFollette, Micke, Morrow, Rust, Springer, Waterstraat.

General Department Information

HONORS IN HEALTH SCIENCES

The Department offers honors study to qualified students who will pursue an individualized course of study. To qualify, students must be full-time declared majors in the Department, have completed 60 hours of credit, have and maintain a minimum cumulative 3.3 GPA, have and maintain a 3.5 GPA in the major, and have completed 9 hours in the major. To graduate with honors, students must complete 12 hours of honors work in professional courses in the major selected from the following options; participation in Honors Undergraduate Research and/or Honors Independent Study and/or in-course Honors. Students interested in the Honors Program should contact the departmental advisor.

Environmental Health Programs

Degree Offered: B.S.

Environmental Health professionals work to manage our surroundings so as to protect our environment and human health. Employed primarily in industry or public health departments, they perform inspections, prepare enforcement reports, do field sampling/testing, present information to the public, administer and plan activities, and direct investigative programs.

Admission/Retention Requirements:

Entering freshmen are admitted to the Environmental Health program if they meet University admission requirements. Transfer students and students currently enrolled at the University may be placed on a waiting list. Students on the waiting list will be admitted into the major on the basis of grades received in prerequisite courses and cumulative GPA. The number of student admitted into the program may vary from year to year depending on program capacity and qualifications of students on the waiting list. A minimum cumulative GPA of 2.0 is required for admission and retention in the program.

Accreditation:

The program is accredited by the National Environmental Health Science and Protection Accreditation Council.

MAJOR IN ENVIRONMENTAL HEALTH

- 39 hours in Health Sciences required.
- Required courses (15 hrs): HSC 204, 245, 249, 258, 355.
- Professional Practice (9 hrs): 398.01 or 398.51.
- Elective courses selected from the following (15 hrs): HSC 246, 247, 248, 252, 254, 257, 322, 350, 351, 359.
- Required courses outside of HSC (45 hrs): ENG 101, 249; COM 110; MAT 119 and 120 or 145; BSC 160; CHE 140, 141, 220; PHY 105 or 108; HPR 182; ACS 150 or 155.01 or 155.02.
- Additional electives (6 hrs): HSC 155, 171, 190, 271, 287, 291, 292, 370, 381; BSC 361; CHE 215, 242, 280; HPR 181; GEO 105, 276, 360.
- All electives listed above should be selected in consultation with the Department academic advisor for the development of a concentration in Environmental Protection, Industrial Hygiene, or Public Health.

MINOR IN ENVIRONMENTAL HEALTH

- 15 hours in Health Sciences required.
- Required courses (9 hrs): HSC 155, 245, 248.
- Elective courses selected from the following (6 hrs): HSC 246, 247, 249, 252, 254, 257, 322, 350, 359.
- Required courses outside of Health Sciences (17 hrs): BSC 160; CHE 140, 141; MAT 119 or 120 or 145.

Health Education Program

Degrees Offered: B.A., B.S., B.S. in Ed.

Health Educators are people working with people. They work in schools or community settings. They promote positive health behaviors by giving presentations, planning and implementing programs, preparing newsletters/brochures, assessing individual health needs, teaching and training, coordinating community/school efforts, and acting as a resource person.

Admission/Retention Requirements:

Entering freshmen and transfer students desiring admittance to the Health Education program must meet the admission requirements established by the University. Students currently enrolled at the University who wish to be admitted to the program must 1) have a minimum cumulative GPA of 2.0, 2) complete an application with the program director, and 3) complete a personal interview with the program director. Students may pursue a school health education program leading to teacher certification or a community health education programs.

Selective Admission For The Teacher Education Program In Health Education:

All Health Education majors planning to become certified teachers must apply for and be admitted to the University's Teacher Education program (see Teacher Education Admission-Retention program section of this *Undergraduate Catalog*). Upon applying for admission, students must have verified the following:

1. Completion of a program application and projected program plan with departmental advisor.
2. A minimum cumulative and major GPA of 2.5 including Professional Education courses.
3. Recommendation for admission to Teacher Education by Health Education faculty.

Selective Retention For The Teacher Education Program In Health Education:

In order to receive departmental approval for the student teaching assignment the student must verify the following:

1. Maintain a minimum cumulative and major GPA of 2.5 including Professional Education courses.
2. Completion of all core, required and elective components of the program.
3. Recommendation from the Teacher Education Coordinator following completion of the Clinical Experience in HSC 288.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

MAJOR IN HEALTH EDUCATION

- 61 hours (School Health Education) or 55 hours (Community Health) required.
- Required core courses (30 hrs): BSC 181*, 182*; FCS 106*; HSC 190, 290, 292, 296, 297, 390; SOA 123*.

***Denotes University Studies courses**

Health Education majors must also complete either A or B from the following:

- A. Teacher Certification requirements (9 hrs): Part of entitlement program leading to certification: secondary (6-12 grade).
 - Required courses (6 hrs): HSC 288; HPR 180*.
 - Elective (3 hrs): 1 course selected from: HSC 155; HPR 113*; PSY 112*, 232*.
 - Students must complete an education minor, the Professional Education requirements (22 hrs) and the General Education requirements as described in the Teacher Education requirements section of this *Undergraduate Catalog*.
 - A 2.50 major and minor GPA required for admission to Teacher Education and for student teaching.
 - **NOTE:** This major does not meet middle-level endorsement requirements for the State of Illinois. See advisor for information on this endorsement.
- *Denotes University Studies courses.**

- B. Community Health Education program requirements (25 hrs):
 - Required courses (19 hrs): COM 110*; HSC 204, 286, 395, 396, 398.02.
 - Electives (6 hrs) chosen in consultation with an advisor from the following: BEA/FCS 330; BSC 170*, FCS 102; HPR 104, 113*; HSC 155, 394; PSY 232*; SOA 212.
 - 2.5 major GPA prior to the semester of enrollment in HSC 398.02.
- *Denotes University Studies courses.**

MINOR IN HEALTH EDUCATION

Minor in Community Health:

- 24 hours required.
 - Required courses (15 hrs): HSC 190, 290, 292, 296, 297.
 - Electives (9 hrs): 3 courses from: HSC 105, 155*, 194*, 196*, 390, 394, 396. 3 hours must be from a 300-level course. Other advanced-level Health Sciences courses may be substituted as electives with consent of the Health Sciences advisor.
- *Denotes University Studies courses.**

Minor in Teacher Education:

- 27 hours required.
 - Required courses (27 hrs): FCS 106*, HPR 180*, HSC 190, 290, 288 (2 hrs), 292, 296, 297, 390, SOA 123*.
 - Recommended electives: HPR 113*, HSC 155*, PSY 112*, 232*.
- *Denotes University Studies courses.**

Health Information Management Program

Degree Offered: B.S.

Health information managers are professionals responsible for performing and coordinating tasks related to the health information systems used to collect, store, retrieve, disseminate and communicate health information in healthcare, business, and government settings. They participate in the process of planning and designing systems. In addition they

serve as team members in the development of computer-based patient record systems and other information systems. Their tasks and responsibilities may also include department management, healthcare reimbursement, quality improvement, and legal aspects of health information.

MAJOR IN HEALTH INFORMATION MANAGEMENT

Admission/Retention Requirements:

Entering freshmen enroll as Pre-Health Information Management majors. Transfer students and students currently enrolled at the University may be placed in the Pre-Health Information Management Major until they have successfully completed the prerequisite classes and achieved a 2.50 cumulative GPA. Admission into the Health Information Management program is based on grades achieved in prerequisite classes and cumulative GPA. A projected program must be planned in consultation with the departmental advisor before beginning the Health Information Management program. A 2.50 cumulative GPA is required for retention in the program. Graduates of the program are eligible and expected to write the National Registration Examination. Those who pass the registration examination are entitled to use the designation RRA (Registered Record Administrator) after their name.

- Prerequisite courses (16 hrs, 9 of which satisfy part of the University Studies requirement): ACS 150 or 160; BSC 181, 182; ECO 101; HSC 105.
- Major courses (55 hrs): HSC 200, 201, 202, 204, 205, 210, 212, 213, 214, 220, 230, 300, 310, 340, 345, 346, 398.03; MQM 220, 323.
- Recommended course: ACS 168.

Accreditation:

The program is accredited by the Commission on Accreditation of Allied Health Education programs in cooperation with the Council on Accreditation of the American Health Information Management Association.

Clinical Laboratory Science Program

Degree Offered: B.S.

Clinical laboratory scientists or medical technologists work as a part of the medical team. They analyze body fluids and perform tests using highly specialized equipment to diagnose diseases and monitor treatment. They are largely employed in hospitals and private clinical laboratories and industry.

Admission/Retention Requirements:

Entering freshmen desiring admittance to the Clinical Laboratory Science program must meet the admission requirements established by the University. Transfer students and students currently enrolled at the University who wish to be admitted to the program must 1) have a minimum cumulative GPA of 2.5 and a 2.5 GPA in required classes, 2) provide an updated transcript of all college courses, and 3) complete a personal interview with the program director. Students should plan their specific program of study in consultation with the Department advisor. Seminars and independent study are available for students desiring additional study in the field.

Students apply for acceptance into an affiliated hospital for the Clinical Experience. Students must have maintained a cumulative 2.5 GPA to apply for the clinical residency. The experience involves instruction in several laboratory departments and technical instruction in hematology, clinical chemistry, blood banking, pathogenic microbiology and other aspects of laboratory medicine. Graduates of the program are eligible to write a national certification examination. Refer to the current CLS handbook for more information.

MAJOR IN CLINICAL LABORATORY SCIENCE

- 50 hours as specified below.
- Required courses: HSC 260, 261, 262, 362, 364, 365, 366, 367, 368, 369; BSC 197, 203, 260, 283 or 219; CHE 140, 141, 220, 242; MAT (107 or 119) and 108, or 144.
- Strongly recommended courses: PHY 105 or 108; HSC 160, 204, 360, and a computer course.
- **NOTE:** This major may require more hours than indicated due to prerequisites or lack of prior skill.

Safety Program

Degree Offered: B.S.

Safety professionals are concerned with reducing economic or human losses due to accidental mishap. They investigate accidents, conduct safety training sessions, develop written documents, determine costs benefit analysis, and inventory hazardous materials. They work with major manufacturers, governmental agencies, construction and insurance companies.

Admission/Retention Requirements:

Entering freshmen are admitted to the Safety program if they meet the admission requirements established by the University. Transfer students and currently enrolled students at Illinois State University may be placed on a waiting list. Students on the waiting list will be admitted into the major on the basis of grades received in prerequisite courses. The number of students admitted into the program each year may vary depending on program capacity and qualifications of students on the waiting list. A minimum cumulative GPA of 2.0 is required for admission and retention in the program.

Accreditation:

The program is accredited by the Related Accreditation Commission of the Board for Engineering and Technology, Inc. Professional affiliation is with the American Society of Safety Engineers, Central Illinois Chapter, Illinois State University student section.

MAJOR IN SAFETY

- 88 hours required, 18 of which satisfy part of the University Studies requirements.
- Required courses (40 hrs): HSC 204, 248, 271, 359, 370, 372, 380, 381, 382, 384, 385, 388 or 398.04 or 398.52, and 371 or 378.
- Additional requirements (48 hrs): IT 130, 131, 292, HPR 181 (or BSC 181), HPR 342; ACS 150 or 155; PHY 108, 109; CHE 110 and 112, or 140 and 141, 220; MAT 120 and 121 or 145; PSY 111.

Health Sciences Courses

100 INTRODUCTION TO THE HEALTH COMMUNITY

US-7 3 F,S

Not for cr maj.

Health care facilities and agencies, their organizational patterns, financing and regulations; the role of health related professionals, their interrelationships and responsibilities; consumer health resources and issues.

105 MEDICAL TERMINOLOGY

3 F,S

Study of basic language related to medical science and allied health specialties with emphasis on word analysis, construction, definitions, pronunciation, spelling, and standard abbreviations.

155 OUR GLOBAL ENVIRONMENT:

A HEALTH PERSPECTIVE US-7 3 F,S

Provides students with a conceptual framework for the study and analysis of environmental health problems in daily activities.

160 INTRODUCTION TO CLINICAL

LABORATORY SCIENCE 2 F,S

Profession of Clinical Laboratory Science emphasizing origin, goals, organizational structure, professional requirements, interrelationships with other professions, professional ethics, and considerations for future.

171 PRINCIPLES OF ACCIDENT

PREVENTION US-7 3 F,S

Overview of the broad accident problem and underlying factors and theories of accident causation and prevention.

176 INTRODUCTION TO

MOTORCYCLE SAFETY 1 F,S

Not for cr maj/min. Formerly IT 176.

Classroom and laboratory experiences provide basic knowledge, skills, and techniques necessary for the safe operation of a motorcycle.

190 FOUNDATIONS OF

HEALTH EDUCATION 3 F,S

Health Ed maj/min only.

The historical and philosophical perspectives of the development of Health Education. A comparison of the major concepts and theories of health and characteristics of health education programs in schools and communities.

194 HEALTHFUL FAMILY LIVING

US-7 2 F,S

Introduction to the health of the family as illustrated through illness patterns, stress, abuse, and health behavior.

196 DRUGS IN LIFESTYLES

US-7 2 F,S

Human, social, and cultural issues surrounding the problems of drug abuse. Personal motivations and behaviors are identified.

200 HEALTH INFORMATION

MANAGEMENT 3 S

HSC 105, 201 and 210 req. Health Sciences maj only or cons inst. Materials charge optional.

Practical applications of word processing and management concepts to health record systems.

201 FUNDAMENTALS OF MEDICAL SCIENCE I

3 F

HSC 105; BSC 181 and 182 req. Health Sciences maj only.

Relationship between human organism and disease processes, including treatment and management of patients.

202 FUNDAMENTALS OF MEDICAL SCIENCE II

3 S

HSC 201 req.

Continuation of HSC 201.

204 HEALTH DATA ANALYSIS

3 F,S,Summer

Health Sciences maj only. Materials charge optional.

Theory and practice of analysis and presentation of data for management and research in the Health Sciences.

205 MEDICAL TERMINOLOGY II

3 F

HSC 105 req.

Systematic and intensive study of the technical language related to medical science and health specialties.

210 INTRODUCTION TO HEALTH INFORMATION MANAGEMENT

3 F

Materials charge optional.

A survey of the history of medical records and the profession. Analysis of record content, stressing accuracy, completeness, and correlation of data. Numbering and filing systems with emphasis on retention policies and storage methods.

212 CLASSIFICATION AND INDEXING SYSTEMS

2 S

HSC 201, 205, and 210 req.

A study of diagnosis and procedure classification and indexing systems and their application in acute health care settings.

213 ADVANCED APPLICATIONS OF CLASSIFICATIONS AND INDEXING SYSTEMS

2 F

HSC 202, 212, and 398.03 req.

Application of advanced concepts in classification and indexing systems in acute care settings.

214 ALTERNATIVE CLASSIFICATION SYSTEMS

2 S

HSC 213 req.

Application of various ambulatory and specialized diagnosis and procedure classification systems utilized in alternative health care settings.

220 ORGANIZATION AND MANAGEMENT OF RECORD CENTERS

3 F

HSC 105, and 200 req. Health Sciences maj only.

Application of principles of organization and management to development and administration of health record centers.

230 LAW, HEALTH CARE AND DOCUMENTATION

2 S

HSC 105, and 210 req. Health Sciences maj only.

Federal, state, and local laws governing the preparation and use of medical records.

245 ENVIRONMENTAL HEALTH PRACTICE**3 F,S***ACS 150 or conc reg req. Health Sciences maj/min only.*

Environmental health protection through the study of selected environments, planning, and general control methods.

246 PESTS AND PEST CONTROL**3***CHE 140 and HSC 245 req. Health Sciences maj/min only.*

Environmental health hazards caused by pests of public health significance, including identification, correction, and prevention of pest problems.

247 WASTE MANAGEMENT PRACTICES**4 F,S***MAT 119; CHE 140 and 141, 220; HSC 245 req. Health Sciences maj/min only. Lecture and lab. Materials charge optional.*

Sewage, solid, and hazardous waste sources; effects on health and environment, treatment processes, and control measures.

248 OCCUPATIONAL HEALTH**3 F,S***CHE 110 and 112 or CHE 140; MAT 119 or 120 or 145 req. Health Sciences maj/min only.*

Adverse environmental conditions encountered in the workplace affecting the efficiency, health, and well-being of employees.

249 ENVIRONMENTAL TOXICOLOGY**3 F,S***MAT 120 or 145; CHE 140, 141 and 220; HPR 182 and HSC 245 req. Health Sciences maj/min only.*

Toxicants such as heavy metals, gases, vapors, dusts, pesticides, food additives, and their effects on health and environment.

252 WATER QUALITY AND TREATMENT**3 F,S***MAT 120 or 145; CHE 140 and 141; HSC 245; BSC 160 or equiv req. Health Sciences maj/min only. Lecture and lab. Materials charge optional.*

Water quality maintenance for drinking and recreational uses; health effects and control measures are considered.

254 CONTROL OF INSTITUTIONAL ENVIRONMENTS**3***CHE 140 and 141; HSC 245; BSC 160 or equiv req. Health Sciences maj/min only. Lecture and lab. Materials charge optional.*

Environmental health aspects of hospitals, nursing homes, penal institutions, schools, colleges and universities. Control of physical, chemical and microbiological hazards.

257 AIR QUALITY AND POLLUTION CONTROL**3 F,S***CHE 140, 141 and 220; MAT 119; HPR 182; HSC 245 req. Health Sciences maj/min only. Lecture and lab. Materials charge optional.*

Air contaminants found in the ambient air, workplace, and home, including health effects, measurement, and control.

258 EPIDEMIOLOGY**3 F,S***MAT 119; BSC 160 or 260; HSC 204 and 245 req. Health Sciences maj/min only.*

Principles and methods governing the surveillance and investigation of disease and injury in human populations.

260 INTRODUCTION TO THE MEDICAL LABORATORY: IMMUNOHEMATOLOGY AND SEROLOGY**4 F,S***CHE 220 req; enr in Clin Lab Sci program or cons inst req. Lecture and lab. Materials charge optional.*

The principles and procedures of immunohematology (blood banking) and serology.

261 INTRODUCTION TO THE MEDICAL LABORATORY: HEMATOLOGY**3 F,S***CHE 220; enr in Clin Lab Sci program or cons inst req. Lecture and lab. Materials charge optional.*

Investigation of observable phenomena that provide basis for tests used as aids to diagnosis of disease processes. Uses, misuses, and limitations of laboratory equipment are considered.

262 INTRODUCTION TO THE MEDICAL LABORATORY: APPLIED CLINICAL ANALYSIS**3 F,S***CHE 220; enr in Clin Lab Sci program or cons inst. Lecture and lab. Materials charge optional.*

The principles and procedures of chemical analysis of body fluids in the clinical laboratory. The use of clinical instrumentation is stressed.

271 SAFETY TECHNOLOGY**3 F,S***CHE 110 and 112 or PHY 108; MAT 120, or 145 req. Safety and IT maj only. Formerly IT 271.*

Controlling production costs due to accidents. Addresses legislation, worker's compensation, hazard recognition, and safety planning. Includes basic engineering solutions.

286 NEEDS ASSESSMENT IN HEALTH EDUCATION**2 S***HSC 190 req. Health Education maj/min only.*

Emphasis on procedures which identify Health Education priorities of populations in various settings. Examination of health needs of select populations.

288 SCHOOL HEALTH**2 or 4 F,S***HSC 190, 290; C&I 216 req; adm to Teacher Ed req. Health Ed maj req to take 4 hrs in spring. Incl Clin Exp: 35 hrs, Type 1, 3, 4, 5. Health Ed min and other teaching maj should enroll for 2 hrs in fall.*

Overview of school health program, with emphasis on curriculum development for and evaluation of secondary school health education.

290 STRATEGIES IN HEALTH EDUCATION**3 F,S***HSC 190 req. Computer skills rec. Inc Clin Exp: 5 hrs, Type 1, 3, 5. Maj/min only.*

Examination of the educational process, methods, strategies, and techniques in Health Education, communication techniques and current resources.

292 COMMUNITY PUBLIC HEALTH**3 F***HSC 190 or cons inst req. Maj/min only.*

Introduction to community public health at local, state, and national levels. Includes emphasis on community health problems, institutions and resources.

296 CONCEPTS IN HEALTH EDUCATION 3 F,S
HSC 190 req. Maj/min only.

An examination of health determinants, major theories, and models of health behavior. Application to Health Education programming will be emphasized.

297 MODERN HEALTH PROBLEMS 3 F,S
Health Ed maj/min only.

Emphasis on recent developments in selected critical health areas and their application to individual health habits and attitudes.

300 MEDICAL INFORMATION SYSTEMS DESIGN 3 F
HSC 105 and 200; ACC 166 or ACS 150 req. Maj only.

Application of computer technology to the health sciences, systems analysis; medical audits and quality assurance programs.

310 HEALTH INFORMATION MANAGEMENT SEMINAR 2 S
HSC 212 and 220 req. Maj only.

Literature survey and intensive exploration of effective methods of identifying and solving problems encountered in the administration of health record centers.

322 POLLUTION PREVENTION 3
MAT 119; HSC 245; CHE 220 req. Health Sciences maj/min only.

Basic methods in pollution prevention as applied to industrial and nonindustrial settings.

340 TRENDS IN HEALTH CARE DELIVERY 3 S
HSC 210, 212, 220 and/or cons inst req.

Intense analysis of emerging nontraditional and specialized health care facilities; their organizational patterns, accreditation standards, legal requirements and special documentation needs. Site visits and reports required.

345 QUALITY ASSURANCE IN HEALTH CARE 3 S
HSC 210 and 220 req. Maj only.

Investigation, identification, assessment, and monitoring of problems in health care.

346 HOSPITAL BUDGETING PROCEDURES 3 F
HSC 212 and 200 req. Maj only.

Systematic study of hospital planning; coordination of resources and expenditures; reimbursement methods.

350 FOOD PROTECTION 3
HSC 245; CHE 140 and 141; BSC 160 or equiv req. Lecture and lab. Materials charge optional.

An intensive study of the laws, principles, and techniques applied in the protection of food and milk for human consumption.

355 ENVIRONMENTAL HEALTH DECISION PROCESSES 3 F,S
HSC 245 req. Sr maj in Environmental Health program or cons inst.

An intensive study of the decision making techniques, organizational structure, interagency relationships, program methodologies, and legal aspects of environmental health practice.

359 INDUSTRIAL HYGIENE 3 F,S
CHE 220; HSC 248; MAT 119 and 120 or 145 req. Health Sciences maj/min only. Lecture and lab. Materials charge optional. Formerly QUANTITATIVE OCCUPATIONAL HEALTH.

Techniques for measurement, evaluation, and control of chemical and physical hazards in occupational environments.

360 CLINICAL LABORATORY SCIENCE SEMINAR 2
CHE 220; enr in Clin Lab Sci program req. Formerly SEMINAR IN MEDICAL TECHNOLOGY.

Review of current literature in clinical laboratory science and the development of a research paper and/or project.

361 IML - COAGULATION AND HEMOSTASIS 2
CHE 220 or equiv and BSC 203 or 216 req. Materials charge optional.

Principles and procedures of blood coagulation and hemostasis.

362-369 CLINICAL STUDIES F,S,Summer
*BSC 191 or 197, 203, 219 or 283, 260; CHE 140, 141, 220, 242; MAT 144 req. HSC 260, 261, 262 or conc req. Cons prog director req. Acceptance into an affiliated hospital. Evidence of health/professional liability insurance req. Hepatitis B vaccination req. May be repeated. Additional info is listed with each course description.***362 CLINICAL BIOCHEMISTRY 1-12 F,S,Summer**
HSC 262 req.

Concentrated laboratory instruction and theoretical applications of clinical biochemistry. Current testing procedures, instrumentation, and quality assurance are studied.

363 CLINICAL SEROLOGY AND IMMUNOLOGY 1-6 F,S,Summer
Max 6 hrs. Also, see prerequisites for 362-369 Clinical Studies.

Basic immunology, serological reactions, and current serology testing procedures are covered. A concentrated laboratory experience is included.

364 CLINICAL URINALYSIS AND MICROSCOPY 1/2-5 F,S,Summer
Max 5 hrs. Also, see prerequisites for 362-369 Clinical Studies. Materials charge optional.

Lecture and laboratory experience and routine and special urinalysis procedures. Basic microscopy use and maintenance are emphasized.

365 CLINICAL PARASITOLOGY 1/2-5 F,S,Summer
Max 5 hrs. Also, see prerequisites for 362-369 Clinical Studies.

General techniques for identification of clinically significant parasites and yeast. Morphology, symptomology, and epidemiology are stressed. A concentrated laboratory experience included.

366 SPECIAL TOPICS 1/2-5 F,S,Summer
Max 5 hrs.

Selected topics of professional significance. May include management, pathology, medico-legal aspects, and basic teaching principles.

367 CLINICAL HEMATOLOGY I-7 F,S,Summer

Max 7 hrs. Materials charge optional.

Study of formed elements of blood under normal and stress conditions. Abnormalities and basic morphological changes due to disease states are studied. Study of coagulation principles is included.

368 CLINICAL MICROBIOLOGY I-12 F,S,Summer

BSC 260 req. Materials charge optional.

Comprehensive medical microbiology. Included are taxonomy of pathogens, identification, culture methods and procedures, and antibiotic sensitivity testing.

369 CLINICAL IMMUNOHEMATOLOGY I-7 F,S,Summer

Max 7 hrs. Also, see prerequisites for 362-369 Clinical Studies.

Theory and practice of immunohematology. Includes study of blood groups, compatibility testing, hemolytic disease of the newborn, blood transfusion, and component preparation.

370 INDUSTRIAL ACCIDENT PREVENTION 3 F,S

PHY 108; MAT 120 or 121 or 145; and HSC 271 req. Health Sciences maj only.

Principles, responsibilities, and techniques for developing, organizing, implementing, and administering an industrial safety program.

371 ALCOHOL AND ACCIDENT PHENOMENON 3

Effects of alcohol on accident causation. Psychological, physiological, pharmacological actions of alcohol in view of medical, sociological, religious, and economic aspects.

372 ACCIDENT INVESTIGATION, RECORDS, AND EVALUATION 3 F,S

MAT 120 or 121 or 145; CHE 110 or 140, and HSC 271 req. Health Sciences maj only.

Theory and function of accident investigation, reporting, and analysis systems. Form design and utilization and cost-evaluation procedures.

378 DISASTER PREPAREDNESS 3 F

MAT 120 or 121 or 145; CHE 110 (or equiv) or PHY 108 (or equiv). Materials charge optional.

Organizing, directing, coordinating disaster services in schools, industry, and local government. Includes T.B.A. weekend disaster exercise.

380 FIRE PROTECTION AND PREVENTION 4 F,S

MAT 120 or 121 or 145; HSC 271 and 381; CHE 110 and 112 (or equiv) req. Health Sciences maj only. Materials charge optional.

Measures related to safeguarding human life and preservation of property in prevention, detection, and extinguishing fires.

381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) 3 F,S

MAT 120 or 121 or 145; HSC 271 and 370 req. Health Sciences maj only.

Interpretation of the provisions of the Occupational Safety and Health Act. The regulations, standards, and reporting requirements pursuant to it.

382 SAFETY PERFORMANCE CONTROL 3 F,S

HSC 204, 370 and 381 req. Health Sciences maj only. Formerly IT 382.

Development of specialized knowledge and skills in problem-solving; evaluation and implementation of occupational safety programs.

384 HAZARDOUS MATERIALS REGULATION 3 F,S

HSC 271; CHE 220.

Overview of federal and state safety and environmental regulations dealing with hazardous materials in the workplace and community.

385 SYSTEM SAFETY MANAGEMENT AND ENGINEERING 3 F,S

HSC 204, 271 and 370.

Application of principles of system analysis, hazard analysis, fault tree analysis and other safety techniques.

388 DIRECTED PRACTICE IN OCCUPATIONAL SAFETY 3 F,S

HSC 381; 380 or conc reg req. Health Sciences maj only. Lec/lab. Field trips/seminars.

Application of occupational safety principles and techniques in the industrial, insurance, and business environments. Field trips and seminars utilized during labs.

390 DRUGS IN SOCIETY 3 F,S

Health Ed maj/min only. Jr/sr status req.

Psychological, social, medical, legal, and economic aspects of use, misuse, and abuse of substances will be explored along with the implications for education and prevention.

394 HEALTH ASPECTS OF AGING 3 S

Also offered as FCS 394.

Characteristics of the aging process and factors influencing adaptation and the quality of living.

395 MEDIA AND MATERIALS IN HEALTH EDUCATION 3 F

HSC 286 and 290 req. Health Sciences maj only.

Analysis and development of print and non-print materials and their use by health educators.

396 HEALTH EDUCATION PLANNING AND PROMOTION 3 F

HSC 286 and 290 req. Health Sciences maj only.

Theory and application of Health Education planning and promotion. Grantsmanship and evaluation will be emphasized.

398.01 PROFESSIONAL PRACTICE: ENVIRONMENTAL HEALTH INTERNSHIP 3-12 F,S,Summer

Cons program dir req. May be repeated; max 12 hrs.

Internship in a governmental, industrial, or institutional organization, providing on-the-job training and introduction to a career in environmental health.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP IN HEALTH EDUCATION 5-9 S,Summer

2.5 maj GPA; HSC 395 and 396 req.

Extended in-service experience under the guidance of qualified personnel in Health Education.

398.03 PROFESSIONAL PRACTICE: HEALTH INFORMATION MANAGEMENT: CLINICAL INTERNSHIP AND RESIDENCY 2-6 F,S,Summer

Maj only and cons program director req. Evidence of health insurance and professional liability insurance req.

Rotation and project assignments in medical record centers in Illinois area health facilities.

398.04 PROFESSIONAL PRACTICE: INTERNSHIP IN SAFETY 3-12 F,S,Summer

HSC 370, 380 and 381 req. Jr/sr standing req. 2.5 maj GPA and cons coord req. Formerly 398.01.

Planned and supervised work/study experiences in local and state business, industries, and governmental agencies engaged in loss prevention.

398.51 PROFESSIONAL PRACTICE: COOP IN ENVIRONMENTAL HEALTH 3-12 F,S,Summer

Cons program director May be repeated; max 12 hrs.

Planned alternated work/study experience. Cooperative education assignment in a governmental, industrial, or institutional organization, providing on-the-job training and introduction to a career in environmental health.

398.52 PROFESSIONAL PRACTICE: COOP IN SAFETY 3-16 F,S,Summer

2.5 maj GPA and cons coord req. First placement HSC 248 and 271 req with soph/jr standing; second placement HSC 381 req with jr/sr standing; third placement HSC 359 and 380 req. May be repeated; max 16 hrs. Formerly 398.51.

Planned and supervised, alternated full-time work/study experiences in safety and loss prevention.

INDUSTRIAL TECHNOLOGY (IT)

210 Turner Hall, (309) 438-3661

Chairperson: Wayne Nelsen.

Tenured/Tenure-track Faculty:

Distinguished Professor: Loepf.

Professors: Brauchle, Campbell, Francis, Liedtke, Lockwood, Quane, Weede, Wiens.

Associate Professors: Boser, Brown, Daugherty, Gokhale, Meier, Stier.

Assistant Professors: Nelsen, Surervs, Williamson.

General Department Information

Industrial Technology is defined as the creative, systematic application of knowledge utilizing human and natural resources involving tools, equipment, techniques, processes, procedures, scientific principles, and management skills to produce and distribute goods, services and information to cope with change or to control environmental conditions and their effect on society and culture.

Industrial Technology students are required to select 1 of the following sequences: General Technology, Construction Management, Industrial Computer Systems, Integrated Manufacturing Systems, Printing Management, or Technology Education.

Industrial Technology majors who desire to elect more than 25 percent (30 credits) of their course work in the College of Business must meet all College of Business requirements for graduation. These students may register for additional courses only with the permission of the College of Business advisor.

HONORS IN INDUSTRIAL TECHNOLOGY

The Department offers honors work in the different departmental programs to majors who have completed 60 semester hours with a cumulative 3.5 GPA. Students interested in the program should see the departmental honors advisor. Requirements for honors for the Industrial Technology Honors Program are available in the departmental Office, 210 Turner Hall.

Honor students who are majoring in Industrial Technology may enroll in sections of courses labeled "Majors Only." General students and all other majors should select sections of courses that are not designated for majors only.

Technology Programs

Degree Offered: B.S.

MAJOR IN INDUSTRIAL TECHNOLOGY

General Technology Sequence:

The General Technology Sequence is a technically-oriented curriculum related to the processes, products, and problems of industry which draws much of its content from construction management, industrial computer systems, integrated manufacturing systems, and/or printing management. Students are required to complete a second major or a minor in order to increase their breadth and employability. The sequence and second major or minor selected depend on the goals of the students. Examples that complement Industrial Technology include a minor in Business Administration or Applied Computer Science.

- 57 hours required, of which 19 satisfy University Studies requirements.
- Students must complete a minor or another major.
- Required courses: IT 100, 111, 116, 311, 313; HSC 271; MQM 100; PSY 230.
- 15 hours of additional courses (students should select a sequence and complete 15 hours of the core requirements, including 1 of the following courses): IT 354, 390, 392, 394, or 398. A transfer student with industrially-oriented courses in areas such as automation, automotive, electronics, robotics, etc. may have up to 12 hours of technical courses approved by departmental evaluation.
- University Studies courses required: ACS 155.02, CHE 110 and 112 (or 140); MAT 120 or 145; PHY 105 (or 108 and 109); PSY 111.

Construction Management Sequence:

Construction Management is an interdisciplinary curriculum that provides a background in construction administration, construction technology, architectural and engineering principles, applied science, and mathematics. The goal of the Sequence is to prepare construction professionals capable of managing projects to completion from plans prepared by design professionals. Coursework emphasizes the allocation of labor, equipment, and material to construction projects in order to achieve completion at maximum efficiency of time and cost. The program focus is on production rather than design, and management capabilities rather than craft skills. Graduates are prepared to assume

leadership positions for constructors involved in residential and light-commercial. Initial employment positions may include: field supervision, project management, estimating, and scheduling. Positions are also available in related areas such as construction financing, product sales, quality control, and safety management.

- 74 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 111, 116, 120, 121, 222, 224, 225, 226, 311, 313, 323, 325, and 394 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: ACS 155.02; CHE 110 and 112 (or 140); MAT 120 or 145; PHY 105 (or 108 and 109); PSY 111.
- 6 hours of additional courses selected from the following: IT 211, 223, 292, 322, 367.

Industrial Computer Systems Sequence:

Industrial computer Systems is an interdisciplinary curriculum that provides a background in computer technology, software, programming, information imaging, and other industry-related technologies. The goal of the Sequence is to prepare professionals for the management and supervision of technical computer systems in industrial settings. Coursework emphasizes the use of computer systems to provide students with a diverse technical and professional background in communications, networking, interfacing, and electronic principles related to industrial computer systems.

- 73 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 111, 116, 143, 151, 216, 283, 284, 311, 313, 319, 383, and 390 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: ACS 155.02; CHE 110 and 112 (or 140); MAT 120 or 145; PHY 105 (or 108 and 109); PSY 111.
- 6 hours of additional courses selected from the following: ACS 166, 168; IT 120, 130, 150, 211, 212, 234, 240, 244, 250, 263, 285, 317, 352.

Integrated Manufacturing Systems Sequence:

Integrated Manufacturing Systems is an interdisciplinary curriculum that provides experiences in the following areas: Product Design, Process and Production Control, or Industrial Plastics. The goal of the Sequence is to prepare professionals capable of managing projects and processes in industrial settings. Coursework emphasizes the management of people, processes, and materials through hands-on activities. Initial employment opportunities include: production management, product design, quality control support, technical sales, and product research and development.

- 74 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 111, 116, 130, 216, 240, 263, 292, 311, 313; 392 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: ACS 155.02; CHE 110 and 112 (or 140); MAT 120 or 145; PHY 105 (or 108 and 109); PSY 111.
- 12 hours of additional courses (students are advised to select a technical concentration and related courses with the advice of an academic advisor): IT 212, 213, 233, 234, 244, 284, 285, 315, 317, 318, 319, 334, 345, 346, 384, 385, 387, and 388.

Concentrations:

Students in the Integrated Manufacturing Systems Sequence may select 12 hours of additional courses so as to provide a concentration in **Plastics Technology, Production and Process Control, or Product Design**. Students should see the department advisor for specific course recommendations.

Printing Management Sequence:

Printing Management is a technically-oriented curriculum related to the processes, products and opportunities of the printing industry. Students will practice systematic and creative applications of knowledge, human and natural resources, tools and equipment, and techniques related to the production of printed matter. The goal of the sequence is to prepare professionals to enter the printing industry as technologists, mid-managers and/or technical sales personnel.

- 71 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 111, 116, 150, 250, 251, 253, 311, 313, 351, 352, 353, 355, 354 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: ACS 155.02; CHE 110 and 112 (or 140); MAT 120 or 145; PHY 105 (or 108 and 109); PSY 111.

Technology Education Sequence:

Technology Education includes: (1) a study of the concepts practiced in modern technological systems of energy utilization, communication, production, and transportation; (2) the development of cognitive, psychomotor, and affective skills in these four areas related to the use of tools, materials, processes, resources, techniques, scientific principles, work (skill and organization), and products as well as their impacts on society; and (3) the professional competencies of planning, executing and evaluating instruction. The following requirements are part of the entitlement program leading to certification; Secondary 6-12.

- 94 hours required, of which 23 satisfy University Studies requirements and 26 satisfy Professional Education requirements.
- Required courses: IT 101, 111, 116, 120, 130 or 131, 150, 201, and 203 (which must be taken concurrently with student teaching). The following courses also satisfy requirements in University Studies: ACS 155.02; BSC 100; CHE 110 and 112 or PHY 105; HIS 135 or 136; MAT 120 or 145; POS 105; PSY 111.
- 20 hours of additional Industrial Technology courses with at least 9 hours beyond the required courses, in 1 of the following areas: construction, electronics, printing, transportation, manufacturing, industrial technology, drafting/design with a GPA of 2.8 in these courses.
- 26 hours Professional Education courses: (see Professional Education requirements); STT 399.33 (12 hrs).

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

MINOR IN INDUSTRIAL TECHNOLOGY

- 35 hours required, of which at least 11 satisfy University Studies requirements.
- Required courses: IT 100, 111, 116, 311; HSC 171 (US-7). The following courses also satisfy requirements in University Studies: ACS 155.02; CHE 110 and 112 or PHY 105; MAT 120 or 145.
- 9 hours of additional courses from 1 of the following groups:

Construction Management:

- IT 120, 121, 222, 224, 226.

Industrial Computer Systems:

- IT 143, 151, 216, 283, 284.

Integrated Manufacturing Systems:

- IT 130, 216, 240, 263, 292.

Printing Management:

- IT 150, 250, 251, 253, 355.

DOUBLE MAJOR

Degree Offered: B.S.

NOTE: Only core courses (ACS 155.02; CHE 110 and 112; HSC 271; IT 100, 111, 116, 311, and 313; MAT 120 or 145; MQM 100; PHY 105; PSY 111 and 230) may be used to meet the requirements for a double major or minor in Industrial Technology.

Industrial Technology Courses

100 INTRODUCTION TO INDUSTRIAL TECHNOLOGY 1 F,S

Materials charge optional.

Study of Industrial Technology, programs in the department, and career opportunities in Technology Education and Industrial Technology.

101 INTRODUCTION TO TEACHING TECHNOLOGY 3 F,S

Incl Clin Exp. Formerly INTRODUCTION TO TEACHING IN INDUSTRIAL EDUCATION.

Methodological insights and understanding for teaching technical subject matter; emphasis on observing programs, developing, conveying and evaluating technology-based curricula.

110 INTRODUCTION TO MICROCAD 1 F,S

Not for cr maj/min. Lecture and lab.

Computer-assisted drawing using microCAD software to introduce basic command usage and procedures for graphic representation and drawing creation.

111 FOUNDATIONS OF INDUSTRIAL TECHNOLOGY 4 F,S

PHY 105 or conc reg req. Lecture and lab.

Principles of electrical, electronic, mechanical, and fluid power components and systems as they apply to industrial applications.

116 TECHNICAL DRAWING 3 F,S

ACS 155.02 or conc reg req. Lecture and lab. Formerly IT 210.

Studies in graphical representation of technical ideas according to industry standards; emphasis on sketching, computer-aided drafting, and blueprint reading.

120 INTRODUCTION TO BUILDING CONSTRUCTION 3 F,S

Formerly CONSTRUCTION PROCESSES AND MATERIALS. Materials charge optional.

Introduction to the principles, practices, and materials used in residential and light-commercial construction.

121 CONSTRUCTION METHODS 2 F,S

Lecture and lab. Materials charge optional.

Applications of the principles, practices, and materials used in residential and light-commercial construction.

130 INTRODUCTION TO MANUFACTURING PROCESSES 3 F,S

Materials charge optional.

Secondary material processes including industrial machinery usage and study in the areas of forming, casting, separating, joining, and conditioning.

131 INTRODUCTION TO MANUFACTURING MANAGEMENT 2 F,S

Lecture and lab. Materials charge optional.

Introduction to manufacturing organization and management with lab.

143 INTRODUCTION TO DATA COMMUNICATIONS 3 F,S

MAT 120 or 145 req. Lecture and lab. Formerly INTRODUCTION TO ELECTRONIC DATA COMMUNICATIONS.

Overview of the fundamentals, concepts, and theory of basic electronics essential to telecommunications systems.

150 FUNDAMENTALS OF PRINTING TECHNOLOGY 3 F,S

Lecture and lab. Formerly INTRODUCTION TO GRAPHIC ARTS PROCESSES. Materials charge optional.

Introduction to printing processes used in the printing/publishing industry: flexography, gravure, lithography, non-impact processes and screen printing.

151 INTRODUCTION TO INDUSTRIAL COMPUTER SYSTEMS 3 F,S
Lecture and lab. Formerly INTRODUCTION TO INDUSTRIAL COMPUTER APPLICATIONS. Materials charge optional.

Study and use of basic methods, materials, software and equipment used in industrial computer applications for imaging, graphics, and communications.

201 TEACHING TRANSPORTATION TECHNOLOGY 3 F,S
IT 101 or demonstrated equiv competencies req. IT 111 and 116 or conc reg req. Lecture and lab.

Instruction and practice developing and teaching transportation technology curricula, understanding teacher roles, acquiring transportation background knowledge, and teaching strategies.

203 COMPETENCIES FOR TEACHING 4 S
CR/NC only. IT 101 req. C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp. Conc reg in Student Teaching and Adm to Teacher Ed req.

Curriculum planning, teaching, and evaluation strategies, and professionalism for Technology Education teachers.

208 PERSPECTIVES IN TECHNOLOGY US-7 3 F,S
Soph standing req.

Introduction to industrial technology systems, their characteristics and development, how they shape and are shaped by society and culture, and resulting major issues.

211 ARCHITECTURAL DRAFTING 3 F,S
IT 110 or 116 req. Lecture and lab. Materials charge optional.

Problem approach to architecture; emphasis on residential planning and construction. Laboratory devoted to development of working drawings.

212 MACHINE DESIGN 3 F
IT 116 and 111 or conc reg req. Lecture and lab. Materials charge optional.

Theoretical principles and conventional practices used in the design of machines and machine elements.

213 GRAPHICAL ANALYSIS FOR DESIGN 3 S
IT 116 and 111 or conc reg req. Lecture and lab. Materials charge optional.

Graphical techniques used to design, analyze, and produce product designs for manufacturing and construction. Includes computer modeling/finite element analysis.

216 COMPUTER-AIDED DESIGN AND DRAFTING 3 F,S
IT 116 and 111 or conc reg req. Lecture and lab. Materials charge optional.

Use, evaluation, and development of computer-aided design and drafting software, hardware, and systems for mechanical design and manufacturing applications.

222 MECHANICAL SYSTEMS FOR BUILDINGS 3 F
IT 111 and 116 or conc reg req. Lecture and lab. Materials charge optional.

Introduction to design and operation of heating, ventilating, air conditioning, solar, and plumbing systems, equipment, materials, methods, and codes.

223 SURVEYING AND BUILDING LAYOUT 3 F
IT 120 and 121 req. MAT 120 or 144 or 145 req. Lecture and lab.

Integration of project control and layout, various reports, logs, and diaries, shop drawings, and as-built records with construction management systems.

224 CONCRETE STRUCTURES AND FOUNDATIONS 3 F
IT 120 and 121 req. Lecture and lab. Formerly IT 324.

Principles, methods, and materials used in concrete and masonry structures and the affect of soil characteristics on foundation design.

225 CONSTRUCTION EQUIPMENT MANAGEMENT 3 S
IT 111 and 116 or conc reg req; 120 and 121 req; Lecture and lab.

Equipment management related to residential and light-commercial construction.

226 CONSTRUCTION CONTRACTS AND LAW 2 S
IT 120 req.

Duties, rights, and liabilities of all parties to a construction contract.

233 MACHINE TOOL TECHNOLOGY 4 F,S
IT 111 and 116 or conc reg req; 130 req; Lecture and lab. Materials charge optional.

Basic machine tool theory and practice; saws, drilling machines, lathes, shapers, milling machines, surface grinders, metrology, heat treatment.

234 COMPUTER NUMERICAL CONTROL IN MANUFACTURING 4 F,S
IT 233 req. Lecture and lab. Formerly NUMERICAL CONTROL IN MANUFACTURING. Materials charge optional.

The study of computer numerical control (CNC) programming, equipment, and applications in manufacturing.

240 AC/DC CIRCUIT ANALYSIS 4 F,S
IT 111 and 116 or conc reg req. Lecture and lab. Materials charge optional.

AC/DC electrical and magnetic circuits, emphasizing passive components both resistive and reactive.

244 DIGITAL ELECTRONICS 3 S
IT 240 or demonstrated equiv competencies req. Lecture and lab. Materials charge optional.

Operation, characteristics, and applications of discrete and integrated solid state devices in selected digital circuits.

250 THE GRAPHIC ARTS PROCESSES 4 F,S
IT 150 req or Art maj or demonstrated equiv competencies req. Lecture, lab, and field trips. Materials charge optional.

Theory and practice in basic relief, lithography, screen process, intaglio, photography and many support technologies.

- 251 GRAPHIC ARTS TECHNOLOGY** 4 F,S
IT 250 req or demonstrated equiv competencies. Lecture, lab, and field trips. Materials charge optional.

Technological trends in copy preparation, continuous tone copy, process photography, negative assembly, image carriers, ink transfer and finishing operations.

- 253 PHOTOMECHANICAL PROCESSES** 3 F
IT 250 req or demonstrated equiv competencies. Lecture and lab. Materials charge optional.

Design, layout, camera ready copy preparation, and process photography, including halftone, duotone, and special effects, for graphic reproduction.

- 263 FLUID POWER MECHANICS** 3 F,S
IT 111 and 116 or conc reg req. Lecture and lab. Materials charge optional.

Operating principles and applications of hydraulic and pneumatic components, power systems, and control systems.

- 283 INFORMATION AND IMAGING TECHNOLOGIES** 3 F,S
IT 111 and 116 or conc reg req; 143 and 151 req. Lecture and lab.

The identification, use, and integration of information processing technology including fax, modems, video capture, scanners, and personal communications devices.

- 284 TECHNICAL COMPUTER APPLICATIONS** 3 F,S
IT 111 and 116 or conc reg req; 151 req. Lecture and lab. Materials charge optional.

Principles and applications of digital computers in the solution of industrial production and control problems.

- 285 INDUSTRIAL PLASTICS** 4 F,S
IT 111 and 116 or conc reg req; 130 req. Lecture and lab. Materials charge optional.

Resins, processing, fabrication; injection molding, extrusion, rotational molding, foaming, thermoforming, identification and testing.

- 292 MATERIALS TECHNOLOGY** 3 F,S
IT 111 req. Lecture and lab. Materials charge optional.

Introduction to engineering materials, statics, strength of materials, and standardized testing procedures for determining mechanical and physical properties.

- 306 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS** 3 S
Also offered as BEA/FCS 382. Inc Clin Exp.

Coordination techniques needed for high school and post-secondary teacher-coordinators in integrating classroom activities with daily employment.

- 311 MANAGING INDUSTRIAL OPERATIONS** 3 F,S
PSY 230; MQM 100; and completion of 75 hrs req.

Principles, practices, and methods used to plan, organize, and manage a sequence of industrial operations used to produce a product.

- 312 FACILITIES PLANNING** 2 F
MAT 120 or 144 or 145 req; jr standing req.

Industrial/manufacturing facilities planning including space requirements, machine arrangements, flow lines, and environmental features.

- 313 STATISTICAL QUALITY CONTROL** 3 F,S
MQM 100 req; MAT 120 or 144 or 145 req; 8 hrs in an IT seq req.

Use of statistical methods involving control charts, paretos, histograms, scattergrams, flow charts, and problem-solving techniques to manage and improve quality.

- 314 ADVANCED QUALITY CONCEPTS FOR INDUSTRY** 3 F,S
IT 313 req.

Total quality management concepts/techniques to organize and lead a technical enterprise.

- 315 COMPUTER-AIDED DESIGN FOR MANUFACTURABILITY** 3 S
IT 130 and 216 req. Lecture and lab. Formerly COMPUTER-AIDED DESIGN AND MANUFACTURING

Design decisions and product manufacturability interaction, concurrent engineering tools, database development, applications in electromechanical design, FMS, etc.

- 317 COMPUTER-AIDED RENDERING AND ANIMATION** 3 F,S
IT 211 or 216 req. Lecture and lab.

Using computer systems to create renderings and animated presentations of design ideas in an, industrial, or architectural setting.

- 318 PRODUCT MODELING AND ANALYSIS** 3 F,S
IT 213 and 216 req. Lecture and lab.

Surface and solid modeling of parts and assemblies; parametric/associative design; mass properties analysis; interfacing to manufacturing and analysis programs.

- 319 COMPUTER GRAPHICS** 3 F,S
IT 216 or demonstrated equiv competencies req. Lecture and lab.

Combination of graphic techniques and computer programming as means of industrial communication applied to solution and interpretation of technological problems.

- 322 BUILDING CODES AND INSPECTION** 2 S
IT 120 or 211 req. Lecture.

Analysis of model construction codes and their application and administration for minimum standards for public safety.

- 323 CONSTRUCTION ESTIMATING AND BIDDING** 3 F
IT 222, 224, and 225 req. Lecture and lab. Formerly CONSTRUCTION COST ANALYSIS. Materials charge optional.

Computerized and manual estimating, cost analysis, and bidding procedures in the residential and commercial construction industries.

325 CONSTRUCTION SCHEDULING AND FINANCE

3 F

IT 120 and 121 req. Lecture and lab.

Schedules and finance of residential and light commercial construction including schedules, CPM, logical network diagrams, schedule of values, and cashflow and analysis.

334 INDUSTRIAL TOOL DESIGN AND FABRICATION METHODS

4 F,S

IT 233 req. Lecture and lab. Formerly AUTOMATION SYSTEMS IN MANUFACTURING. Materials charge optional.

Introduction to production tooling and plastics mold-making practices.

345 INDUSTRIAL PROCESSOR CONTROL

3 S

IT 240 and 263 or demonstrated equiv competencies req. Lecture and lab. Materials charge optional.

Reprogrammable and pneumatic logic automated control systems for industrial production processes.

346 MICROPROCESSOR SYSTEMS

4 F,S

ACS 155.02; IT 244 req. Lecture and lab. Materials charge optional.

Theory and application of the internal workings of microprocessors, microcomputers, and special application microprocessors.

349 TECHNICAL WRITING II

3 F,S

ENG 249 or grad standing req. Also offered as ENG 349. Materials charge optional.

Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication.

351 IMAGE CARRIERS AND IMAGE TRANSFER

3 S

IT 250 or demonstrated equiv competencies and completion of 75 hrs req. Lecture, lab, and field trips. Materials charge optional.

Theory and laboratory practice in negative assembly, and plate making, proofing and press systems.

352 CHARACTER GENERATION

3 F

IT 250 or demonstrated equiv competencies and completion of 75 hrs req. Lecture and lab. Materials charge optional.

Theory, laboratory practice on computerized photographic, digital, and laser imagesetting equipment. Input and editing concepts are included.

353 COLOR SEPARATION

3 S

IT 253 or demonstrated equiv competencies and completion of 75 hrs req. Field trips. Materials charge optional.

Theory of color; modern color separation methods, including laser scanning; fake color; transmission and reflection copy; color correction; additive and subtractive color.

354 GRAPHIC ARTS MANAGEMENT

3 F

IT 250 or demonstrated equiv competencies and completion of 75 hrs req. Lecture and field trips.

Management of the graphic arts industrial organization including human resources, physical assets, and efficient production of graphic communications products.

355 SCREEN PRINTING SYSTEMS

3 F

IT 250 req. Lecture and lab.

Advanced study of screen printing processes using applications with an emphasis on quality, troubleshooting, and control of the printed image.

367 PASSIVE SOLAR TECHNOLOGY

4 S

IT 111 or 211 or cons inst req. Lecture and lab. Materials charge optional.

Principles, theory, and laboratory practice in passive solar applications.

368 ENERGY MANAGEMENT

3 S

IT 240 req; 263 rec.

Principles of efficient analysis, optimization, and control of energy usage with an emphasis on developing, implementing, and administering an industrial energy management program.

383 TELECOMMUNICATIONS TECHNOLOGY

3 S

ACS 155.01 or 155.02 or cons inst req. Lecture and lab.

Interfacing computers locally and through telecommunications networks. Identification of existing standards and hardware, and evaluation of specific interfacing needs.

384 PLASTICS MOLDING PROCESSES

4 S

IT 285 req. Lecture and lab. Materials charge optional.

Advanced theory and practice related to plastics molding, process control, molds and dies, and auxiliary equipment.

385 REINFORCED PLASTICS

4 F,S

IT 285 req. Materials charge optional.

Advanced theory, practical application of fiberglass, plastic resins, other materials in hand layup, spray up, filament winding and other common industrial techniques.

387 FORMING, EXPANDING AND FABRICATING PLASTICS

4 F

IT 285 req. Lecture and lab. Materials charge optional.

Advanced study of solid and cellular plastics used for product development involving thermoforming, foam modeling, assembling, machining, and decorating.

388 PLASTICS PRODUCT DESIGN

4 S

8 hrs from: IT 285, 384, 385, or 387. Lecture and lab. Materials charge optional.

Designing plastic tooling, fixtures, and industrial consumer products.

390 INDUSTRIAL COMPUTER APPLICATIONS

4 S

IT 311 req; 9 hrs of advanced technical courses in industrial computer systems or cons inst req. Lecture and lab. Formerly MANAGEMENT AND DEVELOPMENT OF GRAPHIC COMMUNICATIONS. Materials charge optional.

Development of industrial computer applications using advanced principles and techniques - encoding, transmitting, receiving, storing of images/data in industrial applications.

392 INDUSTRIAL PRODUCTION

4 S

IT 311 and 6 hrs of advanced technical core courses in the Integrated Manufacturing Systems Sequence and sr standing or cons inst req. Lecture and lab. Materials charge optional.

Industrial production systems including product, manufacturing, and plant engineering.

394 CONSTRUCTION MANAGEMENT AND ADMINISTRATION 4 F
IT 226, 323, 325, and 500 hrs req. Construction experience or cons inst req. Lecture and lab. Formerly MANAGING ON-SITE CONSTRUCTION PRACTICES.

Project management and administrative techniques such as estimating, bidding, contracts, scheduling, finance, sub-contracting, and cost analysis and control.

398 PROFESSIONAL PRACTICE: INDUSTRIAL TECHNOLOGY 1-8 F,S
Jr/sr standing. Prior dept approval req. No more than 4 hrs may apply toward maj. May be repeated; max 16 hrs applicable toward graduation. 40 hrs practice per cr hr of internship; 120 hrs coop per cr hr.

Planned and supervised work-study experiences in local and state businesses, industries, and governmental agencies.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP IN TECHNOLOGY INDUSTRY

398.52 PROFESSIONAL PRACTICE: COOP IN TECHNOLOGY OF INDUSTRY

MILITARY SCIENCE DEPARTMENT (MSC)

ROTC Building, 211 North University, (309) 438-5408

Chairperson: LTC Ronald J. Kelley

General Department Information

Military Science Programs

ROTC is a four year program designed to be completed concurrently with the student's academic degree. Students can complete the first two years of ROTC with absolutely no military service obligation. Veterans, National Guardsmen, Army Reservists, and students who complete a six week leadership camp at Fort Knox, Kentucky receive constructive credit for the first two years of ROTC, and can complete the ROTC program in as few as two school years.

Freshman through senior ROTC courses are offered every semester. These academic courses progress from introducing the student to the Army's mission and organization, studying leadership principles and traits, to teaching students the duties and responsibilities required of officers in the twenty first century. Each class has leadership laboratory that meets once a week. At lab, freshmen through senior students in the Redbird Battalion train on basic military skills and get the opportunity to perfect leadership skills through hands-on application. Some of the skills learned during lab include rappelling, water survival training, rifle marksmanship, first aid and CPR, map reading and land navigation, and basic tactics.

In addition to regular on-campus training and activities, ROTC offers exciting and challenging weekend field trips during the school year. Trips include a military ski trip to Wisconsin, and orientation visit to Fort Knox, Kentucky and trips to local national guard training areas to practice marksmanship, land navigation, and tactical skills.

FINANCIAL AID

Military Science students can receive outstanding financial aid through Federal and State Army ROTC scholarships.

Federal ROTC scholarships are awarded for a four, three, or two-year period. Students compete at the national level for these scholarships. Each scholarship can pay up to the full tuition and fees each semester, provide a book allowance of \$450 a year, and a tax free living allowance of \$150 a month, up to \$1500 during the school year.

The State ROTC scholarship is awarded by the Professor of Military Science at Illinois State University. The Redbird Battalion awards forty of these scholarships each semester to students in the ROTC program. A student who receives a State ROTC scholarship may use its benefits for up to eight semesters. The scholarship pays full tuition and the general activity fee each semester.

Every ROTC advance course student (junior and senior ROTC students) receive the tax free living allowance of \$150 per month during the school year, regardless of their scholarship status.

EXTRACURRICULAR ACTIVITIES

Several clubs complement the ROTC academic curriculum, and help students enjoy their college experience more.

Ranger Club trains intensively on military skills such as land navigation, patrolling, and rappelling. They sponsor the annual Ranger Challenge competition in which a group of nine cadets are tested on individual and team military skills. The Illinois State University Ranger Challenge team competes with sixteen other university ROTC Ranger Challenge teams at Fort Leonard Wood, Missouri every October.

Rifle Club fires .22 caliber match rifles weekly at an indoor rifle range. They also participate in marksmanship competitions with other university ROTC programs during the school year.

The Redbird Honor Guard presents the national colors at home football and basketball games, as well as other local community events.

Association of the U.S. Army Club is the ROTC Social Club. The club allows cadets the chance to get together in an informal social atmosphere to discuss military and domestic topics of importance. The club also sponsors guest speakers for meetings throughout the school year.

CAREER OPPORTUNITIES

Students that complete the ROTC program receive a commission as a second lieutenant in the Army after graduation. The student has the option of serving in the National Guard or Army Reserve as a part time career, or on active duty in the Regular Army as a full time profession. ROTC graduates can also receive a minor in Military Science by applying through the Military Science Department.

Lieutenants in the Army lead people, while managing equipment, vehicle fleets, and financial resources. New lieutenants are routinely put in charge of, and lead groups of up to thirty-five people immediately after graduation from college.

Officer career specialties in the Army are as diverse as our society. Some of the sixteen specialties students can request as an Army officer include: Engineering, Nursing,

Signal Corps, Finance, Transportation, Medical Service Corps, Military Police, and Aviation. Except for the health professions, an officer's specialty in the Army does not have to be related to his or her academic degree in college.

New lieutenants serve their country for eight years after graduation. Lieutenants that go into the Regular Army serve on active duty for three years, and may then transfer into the reserves. Lieutenants commissioned in the National Guard or Army Reserve serve their entire tour in the Reserves.

MINOR IN MILITARY SCIENCE

Admission into the Military Science Minor program is by permission of the Department Chairperson following a special interview concerning eligibility and entry requirements. Interested students should make arrangement for an interview as early as possible but not later than the second semester of their sophomore year.

- 34 hours required.
- Prerequisites (4 hours): MSC 111 and 112; or satisfactory completion of Army Reserve Officers' Training Corps (ROTC) Basic Camp (may be taken for credit as MSC 203); or proficiency as approved by the Military Science Department Chairperson.
- Required courses (11 hrs): MSC 220, 221, 240, 241.
- History (3 hrs): HIS 278 or 279.
- Written Communications (3 hrs): ENG 145, 247 or 249.
- Human Behavior (3 hrs): PSY 111, 112, 131; SOC 106 or 131.
- Computer Literacy (3 hrs): ACS 140, 150, or 155.
- Math Reasoning (3 hrs): MAT 105, 120, or 121.
- Physical Education (4 hrs): HPR 146 (repeated 4 times conc with MSC 220, 221, 240 and 241).

Military Science Courses

101 INTRODUCTION TO MILITARY SCIENCE 1 F

Introduction to organization, mission, functions, and customs of the Army; includes military life and customs and an introduction to United States defense establishment.

102 INTRODUCTION TO LEADERSHIP AND TACTICS 1 S

An introduction to Military Leadership and the fundamentals of tactics as employed by squad and platoon-sized units.

111 LAND NAVIGATION 2 S

Map reading fundamentals; application of land navigation principles as applied to military maps using the lensatic compass and terrain association.

112 INTRODUCTION TO MILITARY LEADERSHIP 2 F

Introduction to principles, responsibilities, techniques of military leadership and problems of leadership in the military environment.

200 LEADERSHIP LABORATORY 0 F,S

Reg in AROTC Advanced Course req.
Provides development by practical application of the student's leadership characteristics through progressive training in leadership, drill, and command.

203 ROTC BASIC CAMP 6 Summer

CR/NC only. Cons inst req. Not open to students who have completed MSC 101, 102, 111, and 112.
Provides instruction and practical application on basic military concepts of map reading, tactics, principles of instruction, drill and ceremony. Training is presented off campus.

220 ADVANCED LEADERSHIP AND TACTICS I 3 F

Cons inst req. Formerly DEVELOPMENT OF AMERICAN MILITARY LEADERSHIP.
Provides general knowledge and understanding of advanced leadership principles, small unit offensive operations, land navigation, and the operating systems.

221 ADVANCED LEADERSHIP AND TACTICS II 3 S

Reg in AROTC and MSC 220 or cons inst req. Formerly MILITARY OPERATIONS.
Provides knowledge and understanding of advanced combat leadership techniques, small unit defensive operations, patrolling, and land navigation.

240 MILITARY LAW AND ADMINISTRATIVE MANAGEMENT 3 F

Reg in AROTC Advanced Course or cons inst req.
Fundamental concepts of military justice; principles of court-martial and non-judicial punishment; staff principles and procedures in the Army organizational structure.

241 MILITARY PROFESSIONALISM AND RESPONSIBILITY 2 S

Reg in AROTC Advanced Course or cons inst req.
Introduction to professionalism and military professional responsibility.

242 ROTC ADVANCED CAMP 6 Summer

Reg in AROTC Advanced Course req. CR/NC only.
Instruction and practical application in field training, demonstration of leadership capabilities, and leadership opportunities of problem analysis, decision making, and troop-leading. Training is presented off campus.

COLLEGE OF ARTS AND SCIENCES

Dean: Paul T. Schollaert, 141 Stevenson Hall.

The College of Arts and Sciences provides the opportunity for a liberal education in addition to the attainment of career-oriented skills. The College includes the Departments of Biological Sciences, Chemistry, Communication, Economics, English, Foreign Languages, Geography-Geology, History, Mathematics, Philosophy, Physics, Political Science, Psychology, Social Work, Sociology-Anthropology, and Speech Pathology and Audiology. The College offers the core of the University Studies program required of all undergraduates, a wide range of academic major and minor programs for meeting baccalaureate degree requirements, master's programs in most disciplines and doctoral programs in Biological Sciences, English, History, Mathematics, and Psychology. Course offerings span the humanities, social and behavioral sciences, natural sciences, and mathematics.

ARTS AND SCIENCES PROGRAMS

MAJOR IN GENERAL STUDIES

Arts and Sciences Sequence:

This program is one of the sequences included in the Major in General Studies. See the Major in General Studies or admission procedures. For further information, contact the Academic Advisement Center, 340 Fell Hall.

The Arts and Sciences Sequence is designed for students wishing to pursue a baccalaureate degree with broad specialization in the liberal arts and sciences. The student chooses the focus of the major by determining the two or more departments around which to build the program. Students who complete the Arts and Sciences Sequence will earn a bachelor of arts or bachelor of science degree and have their transcripts noted: "Major in General Studies; Arts and Sciences Sequence."

- 120-hour graduation requirement, including University Studies requirements, and 42 senior-college (200- or 300-level) hours.
- An approved plan of study with a minimum of 36 hours from 2 specified Arts and Sciences departments, including 12 senior college hours (200- or 300-level) from each of the 2 departments, a maximum of 25 hours from any 1 of the departments, and a total of 96 hours from Arts and Sciences departments including University Studies coursework.

MINOR IN PEACE AND CONFLICT RESOLUTION STUDIES

Program Directors:

Joseph Grabill, Department of History
331 Schroeder Hall (309) 438-8120

Deborah Gentry, Department of Family and Consumer Sciences
302J Turner Hall (309) 438-7935

The Minor in Peace and Conflict Resolution Studies is an interdisciplinary program which includes courses from the five Colleges: Applied Science and Technology, Arts and Sciences, Business, Education, and Fine Arts.

The courses offer both Macro and Micro approaches. Macro approaches emphasize world conflict and order; ethnic and socio-economic justice; multiculturalism; renewable economics; and ecodiversity. Micro approaches emphasize non-violent ethics and conflict management; inner, aesthetic, and spiritual peace; interpersonal communication and relations; intergroup relations; and gender issues. Macro and Micro approaches are usually combined in any course; however courses are categorized by priorities according to their Macro or Micro approaches.

- 24 hours required.
- Required core (6 hrs): IDS 111, 398.
- Choose 6 elective hours from inner core (3 hrs each from Macro and Micro): Macro (3 hrs): HIS 100, 268, 270; POS 151 (US-5), 254 (US-5), 293, 361; Micro (3 hrs): FCS 101, 131 (US-7); PHI 244, 248.
- Choose 6 elective hours from Macro outer core: (3 hrs each from (a) College of Arts and Sciences and (b) Courses other than College of Arts and Sciences). (a) Courses not previously selected under Macro courses above; SOA 180 (US-5), 184 (US-8); ECO 355; GEO 205 (US-5); HIS 229, 230; POS 252, 313; SWK 160. (b) Courses not previously selected under Macro courses above; BEA 345 (US-8); CJS 369; C&I 110 (US-7); FIL 312; IDS 105; INB 190; MUS 156 (US-8).
- Choose 6 elective hours from Micro outer core: (3 hrs each from (a) College of Arts and Sciences and (b) Courses other than College of Arts and Sciences). (a) Courses not previously selected under Micro courses above; COM 123 (US-1), 223 (US-1); ECO 327; PSY 131 (US-5); SWK 170 (US-7), 261. (b) Courses not previously selected under Micro courses above; ART 140 (US-8); CJS 101 (US-7); FCS 231, 309; IDS 120 (US-7); MQM 221.
- **NOTE:** Students are encouraged to consult with an advisor regarding elective choices and information regarding Professional Practice (IDS 398).

Latin American Studies Program

No major offered. Further Information: Dean of the College of Arts and Sciences.

MINOR IN LATIN AMERICAN STUDIES

- 24 hours required.
- Required courses: 2 semesters of college-level Spanish (Spanish majors must take at least 9 hours of courses taught in Spanish concerning Latin America at the 200-level or above and cannot count 100-level Spanish courses toward the minor): IDS 110 (Introduction to Latin American Studies) and follow a planned course of study approved by the Latin American Studies advisor in which courses are elected in at least 3 different fields. Coursework may be selected from the following: AGR 100; ECO 205, 210; FOR 218.15, 242.15, 331.15, 336.15; GEO 230; HIS 127, 263; POS 347.

This program must be planned in consultation with the Latin American Studies advisor. With the approval of the advisor, courses other than those listed above may be counted toward the minor. No more than two courses in the student's major field of study, however, may be counted toward this minor.

Social Sciences Programs

Degrees Offered: B.A., B.S.

The Social Sciences programs are housed in the Department of History in cooperation with the Departments of Economics; Geography-Geology; Political Science; and Sociology-Anthropology. For further information contact the Department of History.

MAJOR IN SOCIAL SCIENCES

Admission Requirements:

Admission to the Major in Social Sciences may be restricted by the lack of available Department resources in times of over-subscription.

- 60 hours in Social Sciences (courses to be taken from the 7 Social Science areas of American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History).
- At least three 3-hour courses (including 1 or more at the 200-level or above) to be taken in 4 of these Social Sciences programs.
- 21 Social Sciences hours at the 200-level or above.
- At least one 3-hour course taken in each of the 7 Social Sciences.
- At least 1 methods course (ECO 131; GEO 308, 310; HIS 296; MQM 100; POS 209; SOA 271).
- No more than 3 hours of independent study, or 6 hours of Professional Practice, to be counted toward major requirements.
- Social Sciences Seminar (offered in Economics, Geography-Geology, History, Political Science, and Sociology-Anthropology) is required.
- **NOTE:** Social Sciences Education majors will need to be cognizant of teacher certification requirements which require an emphasis in history.

Teacher Certification Sequence:

- Required courses: HIS 290, 390 in addition to the requirements for the Social Sciences Major. Part of entitlement program leading to certification: secondary 6-12.
- 24 hours in Professional Education (including student teaching) required.
- University Studies course selections must meet state certification requirements.
- Special requirements for admission to the Teacher Education program must be met prior to student teaching.
- **NOTE:** Students who wish to pursue these majors should consult the advisor to Social Sciences students in the Department of History.

Women's Studies (WS) Program

Rachel Cooper 212, Campus Box 4260, (309) 438-2947

Director: Valentine M. Moghadam

MINOR IN WOMEN'S STUDIES

The Minor in Women's Studies enhances any undergraduate major by integrating a working knowledge of

gender issues with the student's field(s) of study. Women's Studies employs gender as an analytical category, along with race, class, and ethnicity, to focus on women's contributions to society and the gender implications of cultural, political, and economic processes. By broadening a student's knowledge base, this interdisciplinary minor has theoretical and practical applications in scholarship, the marketplace, and personal growth and relationships. The 21 credit hours required for the minor are drawn from diverse academic disciplines. Four courses are required: WS/IDS 120 provides an overview of the historical and contemporary context of women's lives; ENG 160 explores literary works from the perspective of women's richly varied experience; HIS 250 surveys the historical experience of diverse groups of women in the United States; and PHI 246 examines feminist political theories addressing women's oppression. Students draw the remaining 9 hours from the electives listed below:

- 21 hours required.
- Required courses: WS/IDS 120; ENG 160; HIS 250; PHI 246.
- 9 hours of additional courses from: CJS 339; ENG 260, 360; HIS 330; PHI 244; POS 225; PSY 123 or SOA 123; PSY 305; SOA 264 or 366, 341; WS 390, 391, 398.
- **NOTE:** This program must be planned in consultation with the Women's Studies Director or advisor. With approval of the Director or advisor, courses other than those listed above may be counted toward the minor.

Women's Studies Courses

120 INTRODUCTION TO

WOMEN'S STUDIES US-7 3 F,S

Introduction to the concerns and problems of women in today's society. Historical roots and viable alternatives to the present culture will be discussed.

390 INTERDISCIPLINARY RESEARCH

IN WOMEN'S STUDIES 1-6 F,S

Proposal signed by 2 faculty advisors from different disciplines and approved by Director of Women's Studies req prior to reg.

Students will research and write on an interdisciplinary topic of their choice relevant to Women's Studies.

391 WOMEN'S STUDY SEMINAR

1-3 Summer

May be repeated; max 6 hrs.

Detailed study of current selected topics.

398 PROFESSIONAL PRACTICE:

INTERNSHIP IN

WOMEN'S STUDIES

1-6 F,S,Summer

6 hrs of Women's Studies and cons Director of Women's Studies req. May be repeated; max 16 hrs.

Supervised work experience in local, state, national, or international businesses, agencies, institutions, or organizations focusing on women's issues.

BIOLOGICAL SCIENCES (BSC)

206 Felmley Hall, (309) 438-3669

Chairperson: Carleton Phillips II.

Tenured/Tenure-track Faculty:

Distinguished Professors: Anderson, Brockman, Wilkinson.

Professors: Armstrong, Borst, Brown, Cheung, Juliano, Katz, Kidder, Nadakavukaren, Phillips, Preston, Thompson, Weber.

Associate Professors: Jayaswal, McCracken, Otsuka,

Riddle, Sakaluk, Whitman.

Assistant Professors: Arkins, Capparella, Dole, Garriss, Low, Williams.

General Department Information

MINOR IN COGNITIVE SCIENCE

The Department of Biological Sciences participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

HONORS IN BIOLOGICAL SCIENCES

Students majoring in Biological Sciences may be admitted to the Departmental Honors Program if they have: 1) completed at least 30 hours of college-level courses, including at least 2 in Biological Sciences, 2) a minimum of semesters remaining before graduation, 3) a cumulative GPA of 3.3, 4) submitted to the Department Chairperson 2 letters of recommendation from faculty members, and 5) received admission approval from the departmental Honors Committee.

In order to graduate with honors in Biological Sciences, a student must complete: 1) all regular requirements for the Biological Sciences Major; 2) 1 year of a foreign language; 3) Mathematics through 2 semesters of calculus; 4) 12 hours of Biological Sciences on a tutorial basis (i.e., in-course honors) with a grade of A or B in each; 5) 3 hours of BSC 299; and 6) have at the time of graduation a cumulative GPA of at least 3.3 and at least 3.5 in Biological Sciences courses.

Biological Sciences Programs

Degrees Offered: B.S.

MAJOR IN BIOLOGICAL SCIENCES

- 37 hours in Biological Sciences required.
- Required courses: BSC 196, 197, 201, 203, 219, and 304, with a minimum of 16 additional hours of which 8 hours must be laboratory courses. BSC 202, 307, and Biological Science courses below 195 may not be used in the major. A laboratory course in organic chemistry (220 or 230 and 231), a laboratory course in general physics (105, 108, or 110) and Mathematics through MAT 121 or through MAT 146 also are required. Majors planning to attend professional or graduate school might need to take a full year of both organic chemistry and physics.

Teacher Certification Sequence:

Students pursuing a Biological Sciences major may be certified to teach in the biological sciences (See option A following), and receive an endorsement in the physical sciences (See option B following).

Before being admitted to the University Teacher Education program (see University-wide Teacher Education program requirements in this *Undergraduate Catalog*), the Biological Sciences major must meet departmental requirements for admission. These include a minimum major GPA of 2.5. Students should see the departmental Teacher Education advisor for information. The previously-stated requirements are part of the entitlement program leading to secondary 6-12 certification.

- A. **Biological Sciences Certification:** A student completing these requirements can meet the minimum qualifications to teach the following subjects as defined by the State Board of Education, Document 1, 7-3.18, 7-3.19, and 7-3.20: Biology, Zoology, Botany, and General Science.

- 37 hours in Biological Sciences required.
- Required courses: BSC 196, 197, 201, 203, 219, 304, and 307 with a minimum of 4 additional hours of Botany with lab, and 4 hours of Zoology with lab. BSC 202 and Biological Science courses below 195 may not be used in the major. Chemistry through a laboratory course in organic chemistry (220 or 230 and 231) and Mathematics through 121 or through 146 also are required.

- B. **Biological and Physical Sciences Certification:** A student completing these requirements can meet the minimum qualifications to teach the following subjects as defined by the State Board of Education, Document 1, 7-3.18, 7-3.19, and 7-3.20: Biology, Botany, Zoology, Chemistry, Physical Science, and General Science.

- 37 hours in Biological Sciences required.
- Required courses: BSC 196, 197, 201, 203, 219, 304, and 307 with a minimum of 4 additional hours of Botany with lab, and 4 hours of Zoology with lab. BSC 202 and Biological Science courses below 195 may not be used in the major. Also required are 14 hours in chemistry including a laboratory course in organic chemistry (220 or 230 and 231), 10 hours of general physics (108 and 109), and Mathematics courses through 121 or through 146.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

MINOR IN BIOLOGICAL SCIENCES

Biological Sciences Sequence:

- 24 hours in Biological Sciences required.
- Required courses: BSC 196 and 197.
- At least 12 of the elective hours must be 200- or 300-level courses. BSC 100 and 307 may not be used as electives in the minor.

MINOR IN BIOLOGICAL SCIENCES

For Teacher Education:

- 24 hours in Biological Sciences required including at least 8 hours of Botany with lab and 8 hours of Zoology with lab.
- Required courses: BSC 196, 197 and 307 (2 or 3 hrs, depending on major)
- Electives: at least 4 hours of botany with lab and 4 hours of zoology with lab. At least 8 hours must be 200- or 300-level courses.

Biological Sciences Courses

145 HUMAN BIOLOGY US-7 3 F,S
Not for cr maj.

Practical human physiology and the nature of disease; emphasis on health problems related to nutrition, cardiovascular, and respiratory diseases, drug use, sex, and reproduction.

160 INTRODUCTORY MICROBIOLOGY US-3 4 F,S
Not for cr maj. Not for cr if had BSC 260. Lecture and lab. Materials charge optional.

Introduction to microorganisms, their application and relationship to the human environment.

170 GENETICS AND SOCIETY US-3 3 F,S
Not for cr maj.

Introduction to genetics and human heredity with an emphasis on the impact of recent advances in genetics upon society.

181 HUMAN PHYSIOLOGY AND ANATOMY I US-3 4 F,S
Not for cr maj. Lecture and lab. Materials charge optional.

Fundamentals of anatomy and physiology for students in Special Education, Health Education, Nursing, and Psychology.

182 HUMAN PHYSIOLOGY AND ANATOMY II US-3 3 F,S
BSC 181 req. Not for cr maj. Lecture only.

183 HUMAN PHYSIOLOGY AND ANATOMY II LABORATORY 1 F,S
BSC 181 req. Not for cr maj. No cr granted in BSC 183 until cr earned in BSC 182. Materials charge optional.

Laboratory exercises in anatomy and physiology to accompany topics in BSC 182 lecture.

185 INTRODUCTION TO EVOLUTION US-3 3 S
Not for cr maj.

Comprehensive survey of the processes of physical and biological evolution, major trends in the plant and animal kingdoms, and the historical development of evolutionary theory and its impact on human society.

196 BIOLOGICAL DIVERSITY US-3 4 F
Lecture and lab. Materials charge optional.

Introduction to structure and function of the major groups of microorganisms, plants, and animals, emphasizing evolutionary relationships among the major groups.

197 MOLECULAR AND CELLULAR BASIS OF LIFE US-3 4 S
Lecture and lab. Materials charge optional.

Introduction to molecules, processes, and cellular organization of living organisms.

199 ANIMAL BEHAVIOR US-3 3 S
An introduction to ethology—the biology of behavior. Behavior studies as performed in the natural habitat. Invertebrates and vertebrates, including humans, will be considered.

200 READINGS IN BIOLOGICAL SCIENCES FOR NON-MAJORS 1 F,S
Sr standing or cons inst req. Not for cr maj.

Reading and discussion of classical and modern biological literature specifically chosen for senior non-majors.

201 EVOLUTIONARY ECOLOGY 4 F,S
BSC 196 and 197 req. Lecture, lab, and field trips. Materials charge optional.

Relationships among living organisms and their environment at ecosystem, community, population, and individual levels.

203 CELL BIOLOGY 4 F,S
CHE 220, or 230 and 231 or conc reg req. BSC 196 and 197 req. Lecture and lab. Materials charge optional.

Structure and function of cells with emphasis on developmental biology including cell division, growth, differentiation, integration, and immunity.

211 ECONOMIC BOTANY 4 F
BSC 196 or AGR 150, and 197 req. Lecture and lab. Materials charge optional.

Diversity, origins, and history of plant uses, concentrating on economically important plants of the world.

219 GENETICS 4 F,S
BSC 196 and 197 req. Lecture and lab. Materials charge optional.

Data, concepts, and logic of genetics from Mendel to the present.

221 PLANT STRUCTURE AND FUNCTION 4 S
BSC 196 and 197 req. Lecture and lab. Materials charge optional.

Introduction to plant tissues and organs, and their relationship to plant processes.

222 PLANT DIVERSITY 4 S
BSC 196 and 197 req. Lecture and lab.
 History and diversity of plant form and reproduction; survey of fossil and extant members of the plant kingdom.

223 ECOLOGY AND IDENTIFICATION OF PLANTS 4 F
BSC 196 and 197 req. Lecture and lab.
 Ecology, phylogeny, and taxonomy of vascular plants.

253 DEVELOPMENTAL BIOLOGY 4 S
BSC 203; CHE 220, or 230 and 231 req. Lecture and lab. Materials charge optional.
 Embryogenesis and the cellular/biochemical mechanisms that control development.

260 MICROBIOLOGY 4 F,S
Organic chemistry or conc reg and BSC 196 and 197 req. Lecture and lab. Materials charge optional.
 Uniqueness, diversity, ecology, molecular biology, and practical applications of microorganisms.

283 ANIMAL PHYSIOLOGY 4 F,S
BSC 196 and 197 req; BSC 203 rec. Lecture and lab. Materials charge optional.
 The physical and chemical basis of system physiology with reference to invertebrates and vertebrates.

290 RESEARCH IN BIOLOGICAL SCIENCES 1-3 F,S,Summer
Project proposals must be approved by a supervising faculty member and undergrad advisor prior to reg. Students are expected to work (on average) a min of 3 hr per week for each hr of cr. May be repeated; max of 4 hrs from BSC 287, 298.01, 290, 299, or 398 may be counted toward maj req.
 Field and/or laboratory research in one of the biological sciences involving a participation in the scientific process with faculty and graduate students.

292 INVERTEBRATE ZOOLOGY 4 S
BSC 196 and 197 req. Lecture and lab. Materials charge optional.
 Diversity, phylogeny, comparative anatomy and physiology of invertebrate animals.

295 COMPARATIVE VERTEBRATE ANATOMY 4 S
BSC 196 and 197 req. Lecture, lab, and field trip. Materials charge optional.
 Evolution and comparative anatomy of vertebrates.

298.01 PROFESSIONAL PRACTICE: CAREERS FOR HEALTH PREPROFESSIONALS 1 F
Max 4 hrs from BSC 298.01, 299, 305, and 398 may count toward maj req. Cons pre-med advisor req. CR/NC only.
 Information and experience on careers in medicine, dentistry, osteopathy, podiatry, optometry, pharmacy, and veterinary medicine. Classroom and off-campus experience.

300 READINGS IN BIOLOGICAL SCIENCES 1 F,S
Maj only or cons inst req. 2 of: 201, 203, 219 req.
 Reading and discussion of classical and modern biological literature.

301 ENTOMOLOGY 4 F
BSC 196, 197, and 201 req. Lecture, lab, and field trips. Materials charge optional.
 Biology and taxonomy of insects.

304 SENIOR SEMINAR IN BIOLOGY 1 F,S
2 of: 201, 203, 219 req.
 Oral and written reports on current topics in biology.

306 REGIONAL AND AREA STUDIES 1-9
Field work req. Cons inst req.
 Intensive on-site studies of organisms and their environments.

307 METHODS IN THE TEACHING OF BIOLOGY 2-3 F,S
C&I 216 or equiv or conc reg. Incl Clin Exp: 40 hrs, Type 1-6. BSC Ed maj must register for 3 hrs; BSC Ed Minor, 2 or 3 hrs, depending upon maj. Adm to Teacher Ed req.
 Strategies, curricula, and materials applicable to teaching secondary school science including 40 hrs Clinical Experiences.

308 FIELD BIOLOGY 3 Summer
BSC 201 or equiv req. Lecture, lab and field trips.
 Ecological communities of Central Illinois. Classification and identification of plants and/or animals.

318 HISTOLOGICAL TECHNIQUES FOR ZOOLOGISTS AND BOTANISTS 2
BSC 203 req. Lecture and lab. Materials charge optional.
 Preparation of microscope slides, special techniques for whole mounts, plastic embedding, plastic injections, and nerve preparations.

321 MOLECULAR AND DEVELOPMENTAL GENETICS 4
BSC 203 and 219 req. Lecture and lab. Materials charge optional.
 Organization of the genome; structure of chromatin and chromosomes; genetic regulation of development; molecular bases of DNA functions.

326 PLANT PHYSIOLOGY 4 S
BSC 203 req. Lecture and lab. Materials charge optional.
 Plant structure and function: photosynthesis, translocation, growth and development. Laboratory emphasis on independent experiment.

329 HUMAN GENETICS 3 S
BSC 203 and 219 req.
 Detection, expression, transmission, and molecular manipulation of human traits; emphasis on medical genetics.

334 INTRODUCTORY MYCOLOGY 4 S
BSC 201 req. Lecture and lab.
 Morphology, taxonomy, and evolution of the fungi.

335 PLANT TAXONOMY 3 S
BSC 222 or 223; 1 of: 201, 203, 219 req.
 Classification of flowering plants; taxonomic characters and data, patterns of diversity, and methods of classification; distinguishing characteristics and names of major taxa, botanical nomenclature, and taxonomic reference tools.

336 LABORATORY IN PLANT IDENTIFICATION 1 Summer*BSC 335 or conc reg req.*

Plant identification; identification tools and methods; descriptive morphology and terminology; field identification of flowering plants and major plant families; specimen collection, documentation, and curation.

350 MOLECULAR BIOLOGY 3*BSC 203, 219 and 260; CHE 220, or 230 and 231 req. CHE 242 or 342 rec.*

DNA structure and replication, the Genetic Code, transcription, translation, genetic regulation, RNA splicing, and transposons.

352 BIOTECHNOLOGY LABORATORY: MOLECULAR RECOGNITION 5*CHE 220 or 230, 231, 232; BSC 203, 219 and 260 req. CHE 242 or 342 rec. Lecture and lab. Materials charge optional.*

Biochemical, immunological and molecular analyses of the recognition processes of biological systems; applications of sensitive and selective techniques of molecular and cellular biology.

361 MICROBIAL PATHOGENS 4*BSC 203 and 260 req. Lecture and lab. Materials charge optional.*

Pathogenesis, identification, cultivation, and classification of bacteria, viruses, fungi, and animal parasites associated with diseases of man.

367 IMMUNOLOGY 4*BSC 203 and 260 req. Offered every 3rd semester. Lecture and lab. Materials charge optional.*

Molecular, cellular, transplantation and tumor immunology; antimicrobial immunity; immunochemistry.

368 VIROLOGY 4*BSC 219 and 260 req. Lecture and lab. Materials charge optional.*

Bacterial, avian, insect, plant, and mammalian viruses and their involvement in disease and cancer. Viral diagnostics.

380 HISTOLOGY 4*BSC 203 req. Lecture and lab.*

Microscopic anatomy of cells, tissues, and organs of vertebrates.

383 PARASITOLOGY 4*BSC 203 and 260 req. Lecture and lab. Materials charge optional.*

Host-parasite relationships, life histories, and morphology of arthropod, helminth, and protozoan parasites of animals.

390 EVOLUTION 3 F*BSC 201, 203, and 219 req. Lecture only.*

Origin of life, genetic code, mutation, selection, genetic drift, and speciation.

395 BIOLOGY OF THE LOWER VERTEBRATES 4 F*1 of: 201, 203, 219 req. Lecture, lab, and field trips. Materials charge optional.*

Fish, amphibians, and reptiles: behavior, ecology, evolution, systematics, zoogeography, reproduction, and adaptive significance of morphology.

398 PROFESSIONAL PRACTICE: BIOLOGY 1-6 F,S,Summer

Jr standing in BSC with 2.5 GPA in all natural sciences req. May be repeated; max 16 hrs Prof Pract; no more than 4 hrs from BSC 298.01, 299, 305 or 398 may be counted toward maj req. Cons dept Prof Pract advisor req. CR/NC only.

Practical experience through employment in agencies such as biological research facilities, zoological or botanical gardens, game reserves, or environmental service. One credit per 50-60 hours work experience.

CHEMISTRY (CHE)**305 Felmley Hall, (309) 438-7661****Chairperson:** Michael E. Kurz.**Tenured/Tenure-track Faculty:***Distinguished Professors:* Stevenson, West.*Professors:* Bunting, Hansen, House, Jones, Kurz, Lash, Reiter, Rothenberger, Webb.*Associate Professors:* Clark, Morse, Standard.*Assistant Professors:* Baur, Gregory, Weldon, Welsh, Zeller.**General Department Information**

The Department of Chemistry is on the approved list of the American Chemical Society.

Basic Chemistry Courses for Majors:

Chemistry majors normally are expected to take CHE 140 and 141. CHE 110 and 114 may be taken in place of 140, but this is not recommended for science majors. This 6-hour sequence is designed primarily for students who elect to become Chemistry majors or minors after having completed CHE 110. Credit toward graduation is not given for both CHE 110 and 140, or both CHE 114 and 140.

Chemistry Programs

Degrees Offered: B.S.

MAJOR IN CHEMISTRY

- 37 hours required in Chemistry, including at least 27 hours in courses numbered 200 or higher.
- Required courses: CHE 140 and 141, 230, 231, 232, 233, 315, 350, 360, 361, 362, 363.
- 1 year of physics, preferably PHY 110 and 111, and 1 year of calculus (through MAT 146) must be completed prior to enrolling in CHE 360.
- Chemistry electives: Selected from approved courses numbered 200 or higher. For the American Chemical Society certified degree the elective requirement is 6 hours in Chemistry courses numbered 290 or higher. These courses must include 2 hours in *laboratory* coursework (*CHE 290, 301, 343, 398*). The following general electives are highly recommended: 1 year of a foreign language, a course in computer programming, a course in technical writing and courses in Biological Sciences.
- **NOTE:** Students interested in careers in biochemistry, molecular biology, biotechnology or medicine may elect to follow the emphasis in Biochemistry/Molecular Biology advising plan.

Teacher Certification Sequence:

- 37 hours required in Chemistry, including at least 27 hours in courses numbered 200 or higher. CHE 301 required in addition to the required courses for the B.S. Chemistry major except CHE 300. A Teacher Education student must complete the option described as part of the entitlement program leading to certification: secondary 6-12.

MINOR IN CHEMISTRY

- 23 hours required in Chemistry, including at least 13 hours in courses numbered 200 or higher.
- Required courses: CHE 140 and 141.

MINOR IN CHEMISTRY**For Teacher Education:**

- 23 hours required in Chemistry, including at least 13 hours in courses numbered 200 or higher. CHE 301 (2 hrs) required in addition to the required courses for the Minor in Chemistry.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Chemistry Courses

102 CHEMISTRY AND SOCIETY US-3 3 F,S
Open only to students with no college cr in Chemistry. Lecture and lab.

Selected topics from chemistry and science in general, and illustration of relevance of chemistry and other sciences to today's world. Lectures, demonstrations, and brief laboratory exercises.

104 CHEMISTRY OF LIFE US-3 3 F,S
CHE 102 or one year of high school Chemistry.

Application of chemical principles to the understanding of life processes. A second course designed for non-science majors.

110 FUNDAMENTALS OF CHEMISTRY US-3 4 F,S
Not for cr if had CHE 140 or 141.

1 semester introductory survey of fundamental concepts, laws, and theories of chemical science and their application to common chemical systems.

112 FUNDAMENTAL CHEMISTRY LABORATORY US-3 1 F,S
CHE 110 or conc reg. Materials charge optional.

Experience in manipulation of fundamental laboratory apparatus and means of carrying out chemical synthesis and measurements on chemical systems.

114 FUNDAMENTALS OF CHEMISTRY (SUPPLEMENTARY) 2 F,S
CHE 110 req. Not for cr if had CHE 140.

Designed to bring the background of the student up through the level of CHE 140.

140 GENERAL CHEMISTRY I US-3 5 F,S
First half of a 2-sem seq. Designed primarily for students with high school cr in Chemistry. Algebra is req. Not for cr if had CHE 110 or 114.

Fundamental principles of stoichiometry, periodicity, atomic structure, and thermochemistry with applications to gases, liquids, solids, and solutions.

141 GENERAL CHEMISTRY II US-3 5 F,S
CHE 114 or 140 req. Lecture and lab. Materials charge optional.

Continuation of CHE 140. Introduction to equilibrium, electrochemistry, acid-base theory, coordination compounds, inorganic and organic chemistry.

215 FUNDAMENTALS OF ANALYTICAL CHEMISTRY 3 S
CHE 141 req. For non-maj and rec for ENH, Medical Technology, Industrial Technology, Agriculture, Family and Consumer Sciences, Geography, and other science maj. Lecture and lab. Materials charge optional.

Theory and practice of selected modern analytical methods such as volumetric, potentiometric, optical, and chromatographic analysis.

220 ELEMENTARY ORGANIC CHEMISTRY 5 F,S
CHE 112 or 141 req. Not for cr if had CHE 230. Lecture and lab. Materials charge optional.

1-semester survey of organic chemistry. For non-majors; recommended for Agriculture, Family and Consumer Sciences, Medical Technology, and Nursing majors. Fundamental principles of structure and mechanisms of organic reactions.

230 ORGANIC CHEMISTRY I 3 F,S
First half of a 2-sem seq. CHE 141 and 231 req. No cr will be granted in CHE 230 until cr is earned in CHE 231. Not for cr if had CHE 220.

Introduction to chemistry of aliphatic and aromatic organic compounds.

231 ORGANIC CHEMISTRY LABORATORY I 2 F,S
First half of a 2-sem seq. CHE 141 and 230 req. No cr will be granted in CHE 231 until cr is earned in CHE 230. Materials charge optional.

Laboratory practice illustrating preparations and reactions typical of functional groups.

232 ORGANIC CHEMISTRY II 3 F,S
CHE 230 req.

Continuation of CHE 230, including synthetic and mechanistic features of organic reactions.

233 ORGANIC CHEMISTRY LABORATORY II 2 F,S

CHE 231 req; conc reg in CHE 232. Materials charge optional.

Laboratory practice in newer techniques and methods of organic chemistry.

242 BASIC BIOCHEMISTRY 3 F,S
1 semester of organic chemistry. Not for cr if had CHE 342.

Introduction to the chemistry of carbohydrates, lipids, proteins, nucleic acids and enzymes. Brief treatment of vitamins and intermediary metabolism.

280 ENVIRONMENTAL CHEMISTRY 3 F
CHE 141 and any 200-level Chemistry course.

Aquatic, soil, and atmospheric chemistry and the attendant problems of water, soil, and air pollution. Causes of pollutants and methods of analyzing for them.

283 HISTORY OF CHEMISTRY 2 S
CHE 220 or 230 req.

A study of the development of modern chemistry with an emphasis on the evolution/molecular theory during the 19th century.

288 METHODS OF COMPUTATIONAL SCIENCE 3 S

ACS 165; CHE 140; PHY 109 or 111; and MAT 146 or cons inst req. Also offered as ACS/PHY 288.

Introduction of a wide variety of computational techniques and their application to physics and chemistry problems. The applications will be restricted to computer simulations of simple physical systems from mechanics, electromagnetism and chemistry.

290 RESEARCH IN CHEMISTRY 1-2 F,S
*19 hrs of Chemistry: only 3 hrs are applicable towards the maj. Dept form must be completed prior to reg. CR/NC only. May be repeated; max 4 hrs.***300 SENIOR SEMINAR** 1 F,S
CHE 350 or conc reg.

Oral and written reports on current topics in chemistry.

301 TEACHING OF CHEMISTRY 2-3 F
20 hrs of Chemistry. For teaching maj/min only. Chemistry Ed min should reg for 2 hrs. C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp: 35 hrs, Type 1-5. Adm to Teacher Ed req.

Modern methods and curricula of high school chemistry.

302 INDUSTRIAL CHEMISTRY 3
CHE 360 req.

Scientific and applied aspects of community and industrial problems.

315 ANALYTICAL CHEMISTRY 3 F,S
CHE 362 or conc reg req. Lecture and lab. Materials charge optional.

Emphasis on modern instrumental methods of chemical analysis including electroanalytical, optical, and chromatographic methods.

342 GENERAL BIOCHEMISTRY I 3 F
CHE 232 or 1 year of organic chemistry req. Not for cr if had CHE 242.

Survey of the chemical and physical properties of amino acids, carbohydrates, lipids and nucleic acids, and structure and function of proteins, including enzyme kinetics.

343 BIOCHEMISTRY LABORATORY 2-3
CHE 242 or 342 or conc reg req. Lecture and lab. Materials charge optional.

Application of biochemical principles and methods discussed in CHE 342.

344 GENERAL BIOCHEMISTRY II 3 S
CHE 342 req.

Survey of important aspects of intermediary metabolism, metabolic regulation, membrane transport and bioenergetics. Topics will include hormonal controls and immunochemical response.

350 INORGANIC CHEMISTRY 3 F,S
CHE 362 req.

Survey of modern inorganic chemistry including structure of inorganic compounds, coordination chemistry, non-aqueous solvents and selected inorganic reactions.

360 PHYSICAL CHEMISTRY I 3 F,S
CHE 141; PHY 109 or 111; 8 hrs of Chemistry or Physics courses numbered 200 or higher; MAT 146 req.

First of a series in theoretical chemistry dealing with descriptions of gases, liquids, solutions, thermochemistry, thermodynamics, chemical and phase equilibrium, kinetic theory, and chemical kinetics.

361 PHYSICAL CHEMISTRY LABORATORY I 1 F,S

CHE 360 or conc reg req. Materials charge optional.

Laboratory applications of principles treated in physical chemistry.

362 PHYSICAL CHEMISTRY II 3 F,S
CHE 360 req.

Continuation of CHE 360, including ionic equilibrium, conductance, electromotive force, spectroscopy, molecular theory, and miscellaneous applications of quantum theory.

363 PHYSICAL CHEMISTRY LABORATORY II 1 F,S

CHE 362 or conc reg req. One 3-hr lab period per week. Materials charge optional.

Laboratory studies of the derivations and applications of principles treated in physical chemistry.

380 TOPICS IN CONTEMPORARY CHEMISTRY 1-3 F,S

CHE 232 req. Certain topics may also require CHE 360. May be repeated.

New concepts and recent developments in the fields of organic, inorganic, analytical, physical, and biochemistry.

398 PROFESSIONAL PRACTICE: CHEMISTRY 1-16 F,S,Summer

CHE 232 and 233 or equiv req. Jr/sr standing. 2.5 GPA req; no cr maj/min. May be repeated; max 16 hrs; no more than 4 hrs/sem may be used to meet graduation req. Course offered as CR/NC. May be 2 to 5 periods of 1 term each.

Practical experience by employment in an industrial or governmental laboratory.

**398.01 PROFESSIONAL PRACTICE:
INTERNSHIP IN CHEMISTRY****398.50 PROFESSIONAL PRACTICE:
COOP IN CHEMISTRY**

COMMUNICATION (COM)

434 Fell Hall, (309) 438-3671

Chairperson: Catherine Konsky.**Tenured/Tenure-track Faculty:***Professors:* Comadena, Cragan, Cupach, Kapoor, Metts, Semlak, Wright.*Associate Professors:* Chandler, Coombs, Cutbirth, Haefner, Hoffner, Kang, Konsky, Moffitt, Wisely, Wolfe.*Assistant Professors:* Allen, Baldwin, Holladay, Kazoleas, Lamoureux, Levine, O'Sullivan, Shelly.

General Department Information

MINOR IN COGNITIVE SCIENCE

The Department of Communication participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

HONORS IN COMMUNICATION

The Department of Communication offers students an opportunity to demonstrate outstanding achievement in the study of communication by means of participation in the Departmental Honors Program. The Department also offers in-course honors work in all its courses at the discretion of the instructor for students enrolled in the Honors Program. Qualified students are encouraged to inquire about admission by contacting the Communication Advisement Center.

Instructional Media Programs

MINOR IN INSTRUCTIONAL MEDIA

- 24 hours required.
- Required courses: COM 240, 241, 365, 366; 12 hours selected from: ART 101, 103, 104, 109, 226; COM 160, 162, 163, 362; IT 210, 250, 251, 253.

Mass Communication Programs

Degrees Offered: B.A., B.S.

MAJOR IN MASS COMMUNICATION

- 39 hours required of which at least 24 must be senior (upper-division) hours.
- Required courses: COM 111, 160, 260, 297, 360, 361, 367.

- 18 hours of electives, of which at least 3 hours must be 300-level, to be chosen in consultation with a departmental advisor. Students are highly recommended to choose these elective hours from various concentrations that reflect some of the career options for Mass Communication majors.

- Concentrations: The Department of Communication has identified 6 concentrations that can be useful in planning the student's academic program. Students majoring in Mass Communication may elect concentrations in Broadcast Journalism; Broadcast Production; International Communication; Media Management; Print Journalism; or Visual Communication. Recommended courses in each concentration are listed below:

Broadcast Journalism: COM 162 or 163, 167, 264, 267.**Broadcast Production:** COM 162, 163, 167, 263.**International Communication:** COM 165 or 167, 218, 369, 372.**Media Management:** COM 165 or 167, 264, 304 or 363, 364.**Print Journalism:** COM 165, 166, 265, 385.**Visual Communication:** COM 165 or 167, 240, 241, 365.

- Students may complete the remainder of their elective hours by selecting from the additional courses from other concentration groups plus COM 228, 266, 268, 269, 324, 329, 355, 362, 366, 370, 371, 398.
- Students may include a maximum of 3 hours of Professional Practice (COM 398) toward the major.
- Students may repeat COM 263 or 267 one additional time, but only 3 hours of the course may count toward the major.
- A maximum of 9 hours can be counted concurrently toward the Mass Communication Major and other majors or minors within the Department of Communication.
- **NOTE:** Mass Communication majors must complete a minor or second major in a department other than Communication. For further information see the Department of Communication Advisement Office.

MINOR IN MASS COMMUNICATION

- 18 hours required.
- Required course: COM 160.
- 15 hours of electives selected in consultation with an academic advisor from: COM 110, 162, 163, 165, 166, 167, 218, 260, 263, 264, 265, 266, 267, 268, 269, 270, 287, 296, 297, 360, 361, 362, 363, 364, 367, 369, 385, 398.

MINOR IN JOURNALISM

For Teacher Education:

- 24 hours required.
- Required courses: COM 160, 165, 166, 265, 266, 269, 385.
- Electives: COM 260, 268; IT 250.

Speech Communication Programs

Degrees Offered: B.A., B.S.

MAJOR IN SPEECH COMMUNICATION

- 39 hours required.
- Required courses: COM 111, 123, 223, 297, 329, and 1 selected from: COM 201, 303, 331, or 372.

- A minimum of 30 senior hours with 9 hours at the 300-level (excluding 398).
- 21 hours of electives selected from the following guidelines: A minimum of 6 hours selected from Group 1 courses (COM 125, 201, 202, 226, 302, 303, 304, 321, 324, 371). A minimum of 6 hours selected from Group 2 courses (COM 225, 228, 323, 325, 331, 370, 372). Electives also available from Group 3 courses (COM 198.02, 218, 240, 296, 299, 330, 363, 369, 398).
- Students may include a maximum of 6 total hours of credit from Professional Practice (COM 198, 398) and Independent Research (COM 296, 299) toward completion of the major.
- A maximum of 9 hours can be counted concurrently toward the Speech Communication Major and other majors or minors within the Department of Communication.
- **NOTE:** Speech Communication majors must complete a minor or second major in a department other than Communication.

Teacher Certification Sequence:

- 40 hours required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses (28 hrs): COM 110, 123, 125, 198.02, 202, 223, 281, 297, 324, 381.
- Elective courses (12 hrs) chosen from 2 of the following groups:
 - Group A (Small Group/Interpersonal):** 6 hours from: COM 225, 323, 325, 329, 331, 370, 372.
 - Group B (Social Communication):** 6 hours from: COM 201, 303, 304, 371.
 - Group C (Rhetorical Criticism):** 6 hours from: COM 226, 302, 321.
 - Group D (Education):** 6 hours from: COM 296, 330, 392, 398.
 - Group E:** 6 hours from: COM 160, 218, 360; THE 101, 341 (not for credit Theatre maj/min); PAS 211.
- Clinical Experiences are included in COM 198.02, 202, 223, 281, 398. Additional opportunities are available through other departmental programs.
- Students enrolled in this program are required by the State to complete the requirements for teaching English. Students are recommended to consult an advisor early in their program to determine the requirements for various teaching fields.
- **NOTE:** Admission to Teacher Education programs requires a 2.5 GPA.

MINOR IN SPEECH COMMUNICATION

- 21 hours required.
- Required course: COM 110.
- A minimum of 6 hours must be at the 300-level (excluding 398).
- 18 hours of electives selected from: COM 123, 125, 198.02, 201, 202, 218, 223, 225, 226, 227, 228, 297, 302, 303, 304, 321, 323, 324, 325, 329, 330, 331, 370, 371, 372.

MINOR IN SPEECH COMMUNICATION

For Teacher Education:

- 25 hours required.
- Required courses (22 hrs): COM 110, 123, 125, 198.02, 223, 281, 297, 324.

- Electives (3 hrs) selected from: COM 160, 201, 202, 218, 225, 226, 296, 302, 303, 304, 321, 323, 325, 329, 330, 331, 360, 370, 372; THE 101, 341; PAS 211.
- Students minoring in Speech Communication or Journalism for Teacher Education are advised that if they have a major other than English, they must have 6 hours in rhetoric and composition to meet state teaching standards.
- **NOTE:** Admission to Teacher Education programs requires a 2.5 GPA.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Public Relations Program

Degrees Offered: B.A., B.S.

MAJOR IN PUBLIC RELATIONS

- 39 hours required.
- Required courses: COM 111, 165, 178, 240, 268, 297, 321, 329, 378.
- A minimum of 30 senior hours with at least 15 hours at the 300-level (excluding 398).
- 12 hours of electives selected from: COM 202, 218, 223, 228, 241, 265, 269, 303, 304, 324, 325, 331, 355, 360, 361, 365, 366, 367, 369, 371, 372, 385, 398.
- Students may include a maximum of 3 hours of Professional Practice (398) toward the major.
- A maximum of 9 hours can be counted toward the Public Relations Major and other majors or minors within the Communication Department.
- **NOTE:** Public Relations majors must complete a minor or second major in a department other than Communication.

MINOR IN PUBLIC RELATIONS

- 24 hours required.
- Required courses: COM 165, 178, 268, 297, 378.
- A maximum of 9 hours counted toward the Public Relations Minor may be applied toward a major or minor within the Department.

— 9 hours of Communication electives selected from the following areas (* means highly recommended):

Graphics and Photography: 240*, 241*, 266, 365, and 366.

Mass Communication and Production: 163*, 166*, 218, 269, 362, 364*, 367, and 385*.

Organizational and Professional Communication: 202*, 227 (not recommended for declared Speech Communication majors), 228, 321*, 324*, 325, and 329*.

Communication Courses

110 FUNDAMENTALS OF SPEECH COMMUNICATION US-1 3 F,S

Theory and practice in developing skills in interpersonal, small group, and public communication. Preparation and presentation of speeches and participation in various communication activities.

111 INTRODUCTION TO COMMUNICATION THEORIES 3 F,S

Communication maj.

Introduces the student to numerous basic communication theories; outlines requirements, expectations, and career opportunities for all communication majors.

123 INTERPERSONAL COMMUNICATION US-1 3 F,S

An introduction to 2-person interaction in a variety of contexts.

125 ARGUMENTATION US-1 3 F,S

Theory and practice of advocacy.

160 INTRODUCTION TO MASS COMMUNICATION 3 F,S

Mass media development and function in modern society; technological basis, economic and political foundations, social implications.

162 RADIO PRODUCTION 3 F,S

COM 160 req; 2 hrs lecture, 2 hrs lab. Materials charge optional.

Skills in utilizing equipment and procedures necessary to produce programs for radio. Script writing and directing included.

163 TELEVISION PRODUCTION 3 F,S

COM 160 req; 2 hrs lecture, 2 hrs lab. Materials charge optional.

Development of skills necessary in producing a television program. Function of television equipment and facilities. Evaluation of current production techniques. Producing and directing included.

165 REPORTING I 3 F,S

COM 160 or 178 and typing ability req. Materials charge optional.

Intensive training in the fundamentals of newsgathering and news writing.

166 COPY EDITING 3 F,S

COM 160 and 165 req. Materials charge optional.

Advanced training in rewriting and editing stories, headlines, writing, page layouts, and work on a campus publication.

167 BROADCAST NEWS I 3 F,S

COM 160 req. Materials charge optional.

Intensive training in the fundamentals of newsgathering and writing for the electronic media.

178 INTRODUCTION TO PUBLIC RELATIONS 3 F,S

COM 111 and ENG 101 rec.

Examines functions of public relations in society and surveys concepts, theories, ethics, and principles of effective public relations.

198.02 PROFESSIONAL PRACTICE: FORENSICS 1 F,S

May be repeated; Max 4 hrs. Incl Clin Exp: 15 hrs, Type 1-4.

Training and participation in speech activities.

201 COMMUNICATION AND SOCIAL ISSUES I 3 F,S

COM 111 req.

Criticism of communicative discourse concerning reform movements, religious controversy, socialism, and other topics.

202 PERSUASIVE PUBLIC SPEAKING 3 F,S

COM 111 req. Incl Clin Exp: 2 hrs, Type 1-5.

Provides the student an opportunity to develop skills in persuasive speaking in a variety of situations. Focuses on message content and organization appropriate for different situations.

218 COMMUNICATION TECHNOLOGIES AND IMPACTS 3 F,S

COM 111 or 160 or cons inst req.

The study of basic communication technologies (radio, television, satellite, computer, and electronic publishing) and their impact on the individual, group, organization, and society.

223 SMALL GROUP PROCESSES US-1 3 F,S

Incl Clin Exp: 1 hr, Type 1-3.

Theory and practice in reflective group discussion methods.

225 NONVERBAL COMMUNICATION 3 F,S

COM 111 req.

Consideration of gesture, space, time, touch, objects, environment, voice, and eye behavior, and their relationship to communication and culture.

226 CLASSICAL RHETORIC 3 F

COM 111 req.

Classical rhetoricians and rhetorics, from the early Greek sophists to Saint Augustine, with special attention to impact on modern theory construction.

227 ORGANIZATIONAL AND PROFESSIONAL SPEAKING 3 F,S

Not rec for Communication majors.

Learning experiences in critical analysis of communication events, group problem solving, interviewing, technical speaking, and persuasive speaking.

228 INTRODUCTION TO INTERVIEW 3 F,S

Learning experiences in the selection, organization, oral presentation of ideas through the interview situation. The course stresses information processing in the interview setting.

- 240 PRESENTATION MEDIA** 3 F,S
Lecture and lab. Incl Clin Exp: 2 hrs, Type 1-3. Formerly AUDIOVISUAL MEDIA. Materials charge optional.

Introduction to presentational theory and skills needed to identify, design, produce, present, and assess audiovisual media in a variety of organizational situations.

- 241 BASIC PHOTOGRAPHY** 3 F,S
Lecture and lab. Materials charge optional.

Fundamentals of photography with emphasis on design, production, presentation and text.

- 260 MASS COMMUNICATION: CULTURAL CRITICISM AND PROBLEMS** 3 F,S
COM 111 and 160 req.

The mass media as a social system. Its impact on the cultural and economic life of the nation. The need for continuing decisions regarding public policy.

- 263 ADVANCED TELEVISION PRODUCTION** 3 F,S
COM 111, 160, and 163 req; 2 hrs lecture; 4 hrs lab.

Creating visual appeal through the television medium. Aesthetics in preparing television programs. Advanced producing/directing techniques in commercial broadcasting and television as an art form.

- 264 BROADCAST AND CABLE PROGRAMMING** 3 F,S
COM 111 and 160 req.

Format and scheduling of programs as practiced by station, cable, and network management and viewed from the perspective of the advertiser, the manager, the consumer, and the government.

- 265 REPORTING II** 3 F,S
COM 111, 160, and 165 req.

Advanced training in newsgathering and news writing with practical application.

- 266 ADVANCED PHOTOGRAPHY** 3 S
COM 241 or cons of inst req. Lecture and lab. Formerly PHOTO JOURNALISM. Materials charge optional.

A study of the concepts, processes and techniques used to produce or select photographs for use in other forms of media.

- 267 BROADCAST NEWS II** 3 F,S
COM 111, 160, and 167 req.

Refinement of skills in broadcast news through laboratory work on daily television newscasts.

- 268 PUBLIC RELATIONS WRITING AND PRODUCTION** 3 F,S
COM 111 and 165 req. Formerly COMMUNITY RELATIONS. Materials charge optional.

Public relations functions, ethics, and writing of new releases, newsletters, brochures, and other publications for employees and communities.

- 269 SPECIALIZED PUBLICATIONS** 3 F,S
COM 111 and 165 req. Materials charge optional.

Training in editing, management, production, and finance of magazine, small newspapers, and annual reports. Instruction applicable to advisement of school publications.

- 270 DOCUMENTARY IN FILM AND BROADCASTING** 3 F
Also offered as THE 270.

Historical, philosophical, and theoretical consideration of documentary approach in films, television, and radio.

- 281 PRINCIPLES OF SPEECH EDUCATION** 3 F

C or better in C&I 214, 215, 216, and PSY 215 (6 hrs) or conc reg req. Incl Clin Exp: 10 hrs, Type 1-6, 9. Adm to Teacher Ed req.

Methods and materials for teaching secondary speech communication. Planning and applying strategies, methods of measurement, classroom criticism of performance, selection and compilation of materials.

- 296 INDEPENDENT RESEARCH IN COMMUNICATION** 3 F,S

Project approval by dept chair and inst prior to reg.

- 297 COMMUNICATION RESEARCH METHODS** 3 F,S
COM 111 req.

Methods of scholarly research and critical evaluation of research.

- 302 COMMUNICATION CRITICISM** 3 S
COM 111 req.

Developing critical skills for describing, interpreting, and evaluating communication from different theoretical perspectives.

- 303 CONTROVERSY AND CONTEMPORARY SOCIETY** 3 S
COM 111 req.

Contemporary communication on current significant, controversial issues.

- 304 FREEDOM OF SPEECH AND PRESS** 3 F,S
COM 111 req.

First Amendment rights. Emphasis on Supreme Court decisions relating to political dissent, obscenity, provocation and demonstration, and press freedom.

- 321 MESSAGE COMPOSITION** 3 F,S
COM 111 req.

Application of speech communication theory and research to the composition of ethical, informative, and persuasive messages in a campaign. Emphasis: organizational and language factors affecting mediated and non-mediated communication.

- 323 THEORY AND RESEARCH IN SMALL GROUP COMMUNICATION** 3 F,S
COM 111 and 297 req.

Theoretical and experimental literature dealing with small group communication processes.

- 324 THEORY AND RESEARCH IN PERSUASION** 3 F
COM 111 and 297 req.

Survey of contemporary theoretical and empirical literature dealing with the question of how an individual's attitudes, beliefs, and social behaviors are affected by communication.

**325 THEORY AND RESEARCH
IN INTERPERSONAL
COMMUNICATION****3 S***COM 111 and 297 req.*

Interpersonal communication and research and its implications for developing, maintaining, and terminating relationships. Focus on developing communicative competence.

**329 ORGANIZATIONAL
COMMUNICATION****3 F,S***COM 111 req.*

Theoretical and experimental literature dealing with communication in an organizational setting.

**331 HUMAN COMMUNICATION
AND THE AGING PROCESS****3 F,S***COM 111 or SOA 211 req.*

An examination of the particular communication needs of the aging and current research in the field.

**355 INTERNATIONAL PUBLIC
RELATIONS****3 F,S***COM 111 and 178 or cons inst req.*

Theory and research related to the practice of public relations across cultural and national boundaries. Application of theory to practical problems.

**360 MASS COMMUNICATION:
THEORY AND EFFECTS****3 F,S***COM 111, 160 and 260 req.*

Critical examination of channel and receiver variables and their effects on the act of moving information through a given medium. Students participate in at least one research project of their design.

**361 REGULATION OF
THE COMMUNICATION
INDUSTRY****3 F,S***COM 111 and 160 req.*

The legal background of mass media, specific laws affecting media operations, and industry efforts at self regulation.

**362 NON-BROADCAST
TELEVISION****3 F,S***COM 111 req. Lecture and lab. Formerly INSTRUCTIONAL TELEVISION.*

Theory and practice of non-broadcast television with emphasis on equipment, production processes and effectiveness as a medium of communication for business, education and medicine.

**363 PRIVACY AND INFORMATION
PROCESSING****3 F***COM 111 req.*

Concepts about individual privacy as related to the processing of information in a technological society. The study of institutional procedures with regard to the dissemination of sensitive information.

364 BROADCAST AND MANAGEMENT**3 S***COM 111, 160, and 264 req.*

Role and functions of broadcast media managers in society.

365 GRAPHIC COMMUNICATION I**3 F***COM 240 req. Lecture and lab. Formerly FUNDAMENTALS OF GRAPHIC PRODUCTION. Materials charge optional.*

History, theory, principles and practices of visual communication applied to graphic media with emphasis on fundamental skills and techniques.

366 GRAPHIC COMMUNICATION II**3 S***COM 365 req. Lecture and lab. Materials charge optional.*

Development of graphic media solutions to visual communication problems by integrating design skills, visual communication theory and knowledge of materials.

**367 ETHICAL PROBLEMS IN
MASS COMMUNICATION****3 F,S***COM 111; PHI 138 or cons inst req.*

Analysis of ethical problems in news, entertainment, and persuasive media. Students develop analytical skills using cases and research projects.

**369 INTERNATIONAL COMMUNICATION
SYSTEMS****3 S***COM 111 req.*

Mass communication systems employed in foreign countries, their roles in national and international social and cultural development.

370 PSYCHOLOGY OF LANGUAGE**3 S***COM 111 and 297 req.*

Theories and experimental research relating to the development and functions of language.

371 POLITICAL COMMUNICATION**3 F***COM 111 req; 6 hrs Communication or 6 hrs Political Science rec.*

Basic theory and research relating to political campaign communication. Special attention is paid to the persuasive process of political campaigning focusing upon the role of the media, the candidate, image creation and other selected topics on political campaign communication.

372 INTERCULTURAL COMMUNICATION**3 F,S***COM 111 and 297 req.*

Theories and research relating to face-to-face communication among people from different cultural, national, ethnic, or racial backgrounds.

**378 APPLICATIONS IN PUBLIC
RELATIONS****3 F,S***COM 111, 165, 178, and 268 req.*

Principles and procedures for the professional practice of ethical public relations via a case study approach. Students prepare a public relations portfolio.

**381 PROBLEMS IN THE TEACHING
OF COMMUNICATION****3 S***C or better in C&I 214, 215, 216, and PSY 215 (6 hrs) or conc req req.*

Identification of common and unique problems in teaching communication concepts and skills. Approaches to resolving classroom problems.

385 EDITORIAL AND FEATURE WRITING**3 F,S***COM 111, 165, and 265 req.*

Advanced training in writing feature articles and editorials for newspapers and magazines.

**398 PROFESSIONAL PRACTICE:
COMMUNICATION****1-12 F,S**

*Complete dept application prior to reg. Max 3-6 hrs Prof
Pract applicable to maj; 16 hrs applicable to graduation.
Inc Clin Exp: 55 hrs, Type 1-9.*

Arranged on-campus practical experience under the guidance of department academic supervisors.

**398.01 PROFESSIONAL PRACTICE: ON-CAMPUS
INTERNSHIP IN COMMUNICATION****398.02 PROFESSIONAL PRACTICE: OFF-CAMPUS
INTERNSHIP IN COMMUNICATION****ECONOMICS (ECO)****425 Stevenson Hall, (309) 438-8625****Chairperson:** David Ramsey.**Tenured/Tenure-track Faculty:***Distinguished Professor:* Ram.*Professors:* Chizmar, Cohn, Dillingham, Hiebert, Nelson, Ostrosky, Owen, Singh.*Associate Professors:* Goel, Ramsey, Rich, Skaggs, Walbert.*Assistant Professors:* Abdalla, Carlson, Cobb-Clark, Hasan, Mohammadi.**General Department Information****Undergraduate Program Director:** J. Lon Carlson**Office:** Stevenson Hall 439-A**Academic Requirements:**

Majoring in Economics helps you develop important skills, including critical thinking and analytical reasoning. These general skills are valuable for any job or occupation. Thus, a degree in Economics provides you with the flexibility to adapt in a changing environment and take advantage of new opportunities. This flexibility is important because, if you are typical, you will change jobs or occupations about six times in your lifetime.

One of the main advantages of an Economics degree is the wide range of careers that are available to graduates. Economics majors find jobs in a variety of settings, including private industry; federal, state, and local government; international organizations and education. Over the past several years, graduates of the Economics program at Illinois State University have pursued a variety of careers, including positions in entry-level business/management, sales, data processing, staff analysis and research, and teaching. An undergraduate degree in economics is also excellent preparation for students who plan to pursue graduate-level studies in economics, business, and law.

Besides providing flexibility in the job market, the Economics major provides you with flexibility in your academic career. Only 32 hours are required for the major and only 18 hours are required for the minor. Specific course requirements for the major and the minor are indicated below. The low number of hours required for the Economics Major or Minor gives you the flexibility to combine it with a major or minor in other disciplines to design your academic program to fit your life goals.

MAJOR IN SOCIAL SCIENCES

The Major in Social Sciences is administered in the Department of History in cooperation with the Departments of Economics; Geography; Political Science; and Sociology-Anthropology. For further information see Social Sciences Programs.

HONORS IN ECONOMICS

Candidates for honors must be Economics majors with a GPA of 3.30 overall and 3.75 or higher in Economics courses. Students will be expected to complete 6 hours of coursework designated as honors coursework within the Department of Economics. These could be ECO 101 and 102 honors, or 2 in-course honors at the 200- or 300-level. The in-course honors requires individual negotiation with a faculty member teaching the course. In addition, the achievement of honors requires the writing of a substantial original paper. The student will enroll in Independent Honors Study and will receive help from an assigned faculty member. At the end of the semester the student will make an oral presentation of the paper to a meeting of Omicron Delta Epsilon, the Economics Honor Society. One copy of the original paper will be kept in the Department office and be available for inspection. Honors credit will show on the official transcript and will be stated on the diploma.

Economics Programs

Degrees Offered: B.A., B.S.

MAJOR IN ECONOMICS

- 32 hours in Economics required.
- Required courses: ECO 101, 102, 131, 240, 241, 300, and at least one additional 3-hour 300-level Economics course. MAT 121 or 145 may be substituted for ECO 130.
- A grade of "C" or better must be earned in ECO 240, 241, and 300.
- At least 15 hours of senior college credit from Illinois State University Department of Economics must be completed. The Department Chairperson may grant exemptions to students whose cumulative GPA is 3.00 or higher.

Concentrations:

A major or minor degree in Economics is an excellent complement to a variety of other majors or customized sets of courses. Economics majors may elect (but are not required to elect) one of the following concentrations. Although no specific courses are required for these concentrations, recommended courses for each are listed below:

1. **Business Economics:** Economics electives: ECO 215, 238, 239 and 320 plus ACC 131 and 132; ENG 249; FIL 208, 218, and 240; and ACS 168.
2. **Electricity, Natural Gas, and Telecommunications Economics:** Economics electives: ECO 235, 238, 239, 320, and 335 plus ACC 131 and 132; ENG 249; and FIL 240, 242 and 347.
3. **Graduate School Preparation:** Economics electives: ECO 238, 330 and 331 plus ENG 249; and MAT 146, 147, 175, 350 and 356.
4. **Human Resources:** Economics electives: ECO 225, 238, 326, and 327 plus ENG 249; FIL 313; MQM 323 and 324; and PSY 220.
5. **International Economics:** Economics electives: ECO 205, 245, 345 and 346 plus ENG 249; INB 190; MQM 350; POS 151 and proficiency in a foreign language.

6. **Pre-Law:** Economics electives: ECO 220, 235, 320 and 335 plus COM 202; ENG 249; FIL 208 and 209; and POS 216 and 218.
7. **Public Policy:** Economics electives: ECO 205, 238, 255, 329, 351 and 355 plus ENG 249; FIL 311; and POS 232, 312 and 318.

MINOR IN ECONOMICS

- 18 hours in Economics required.
- Required courses: ECO 101, 102.
- MAT 121 or 145 may be substituted for ECO 130. These courses may be, but are not required to be, used for 4 hours of credit for the minor.
- The minor must include 5 Economics courses.

MINOR IN ECONOMICS

For Teacher Education:

- Program requirements are the same as those for the Minor in Economics.

Economics Courses

101 PRINCIPLES OF MICROECONOMICS US-5 3 F,S

Supply and demand, determination of market prices and quantities traded; behavior of consumers, and of producers under various product market structures; resource markets; distribution of income; international trade.

102 PRINCIPLES OF MACROECONOMICS US-5 3 F,S ECO 101 req. Formerly ECO 100.

Determination of gross domestic product (GDP), unemployment and inflation; the banking system; fiscal, monetary, and other macroeconomic policy; international finance and policy.

131 BUSINESS AND ECONOMIC STATISTICS 4 F,S ECO 101; MAT 120 or cons inst req.

Introduction to statistical concepts and methods most useful in business and economic analysis. Topics include descriptive statistics, techniques of hypothesis testing, interval estimation and linear regression.

202 CURRENT ECONOMIC ISSUES 2-3 Summer ECO 101 and 102 req.

Application of introductory principles to world economic problems, such as energy, pollution, poverty and unemployment.

205 DEVELOPMENT ECONOMICS 3 F or S ECO 101 and 102 req.

Principal determinants of economic development and problems associated with generating and accelerating economic growth in less developed areas.

210 COMPARATIVE ECONOMIC SYSTEMS 3 F or S ECO 101 and 102 req.

Comparative analysis of several types of economic systems. Discussion of alternative models of economic decision-making. Case studies of such economies as China, Japan, South Africa, Sweden, Russia, and Yugoslavia.

215 MONEY AND BANKING 3 F or S ECO 101 and 102 req.

Development and growth of the monetary system. Emphasis on monetary theory and applied policy issues.

220 LAW AND ECONOMICS 3 F or S ECO 101 req.

Overview of economic analysis of topics in the common law including property, contract, tort and criminal law.

225 LABOR ECONOMICS AND LABOR PROBLEMS 3 F or S ECO 101 and 102 req.

Economic aspects of labor and trade unionism. Emphasis on wage determination, bargaining, manpower and unions.

228 DEMOGRAPHIC ECONOMICS 3 F or S ECO 101 req. Formerly ECO 328.

Theoretical and empirical study of the economics of population changes, distributions, and characteristics. Population dynamics, policy issues, and economic consequences.

235 TELECOMMUNICATIONS ECONOMICS AND PUBLIC POLICY 3 F or S ECO 101 req.

Introduction to economics and public policy issues confronting the telecommunications industry, including legal aspects, standards, privacy and security issues.

238 CONFRONTING ECONOMIC THEORY WITH DATA 4 F or S ECO 131 or equiv req.

Non-theoretical study of the basic concepts of econometrics and, in particular, regression analysis, which emphasizes real-world applications, statistical computing, and learning-by-doing.

239 MANAGERIAL ECONOMICS 3 F or S ECO 101 req; 130 and 131 or equiv rec.

Theoretical and applied study of demand, cost, and production related to the theory of the firm. Developments of current interest; empirical studies intended to affirm or disaffirm applicability of economic principles.

240 INTERMEDIATE MICROECONOMIC THEORY 3 F,S ECO 101, 102, 130 or equiv, and 131 or equiv req.

Emphasis on topics regarding resource allocation, scarcity, and distribution of income; theory of consumer choice, theory of the firm, market structures, factor markets, distribution of income, welfare economics, and general equilibrium.

241 INTERMEDIATE MACROECONOMIC THEORY 3 F,S ECO 101, 102, 130 or equiv, and 131 or equiv req.

Theory of income, employment, interest rate and price level determination. The government's influence on these variables via monetary and fiscal policies.

245 THE INTERNATIONAL ECONOMY 3 F or S ECO 101 and 102 req.

Economic aspects of international issues and problems. Analysis of international trade, trade restrictions, exchange rates and the balance of payments.

255 INTRODUCTION TO ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS 3 F or S
ECO 101 req.

Overview of natural resource and environmental economics. Topics include management of renewable and nonrenewable resources and the economically efficient approach to pollution control.

300 SENIOR PROJECT 1 F,S
ECO 240 and 241 req.

Taken concurrently with a 300-level Economic course. Involves independent out-of-class work on a project designed in consultation with the instructor in the concurrent 300-level course.

300.01 SOCIAL SCIENCE SEMINAR 3 F or S
Social Sciences maj. ECO 131 or GEO 204 or HIS 200 or 296 or POS 209 or SOA 271 req; completion of at least 1 course in 5 of the 7 program areas (American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History) req; completion of at least 12 hours of senior-level social sciences courses req. Also offered as GEO/HIS/POS/SOA 300.01.

An intensive examination of selected urban issues from an interdisciplinary social science perspective, culminating in a capstone student research project.

320 INDUSTRIAL ORGANIZATION 3 F or S
One 200-level Economics course req.

Theoretical and empirical analysis of basic influences on industrial markets and performances. Market practices, the role of competition, and related policy issues.

326 ECONOMICS OF HUMAN RESOURCES 3 F or S
ECO 225 or 240 req.

Theoretical and empirical analysis of labor markets. Education and training, labor mobility, wage structure, discrimination, unemployment, wage and incomes policies.

327 COLLECTIVE BARGAINING AND INDUSTRIAL RELATIONS 3 F or S
ECO 225 or 240 req.

Economic analysis of U.S. industrial relations system; determinants of its structure; collective bargaining environment; trade union structure, administration, growth and power.

329 ECONOMICS ISSUES IN EDUCATION 3 F or S
ECO 225 or 240 req.

Analysis of economic issues in education including efficiency and equity, public vs. private provision of educational services, and education as human capital.

330 MATHEMATICAL ECONOMICS 3 F or S
ECO 101 and 102; ECO 130 or MAT 121 or 145 req.

Integral calculus, difference equations, differential equations and linear algebra in relation to economic theory.

331 INTERMEDIATE ECONOMIC STATISTICS 3 F
ECO 101, 102 and 131; ECO 130 or MAT 121 or 145 req.

Intermediate level probability and sampling theory. Hypothesis testing. Estimation. Basic econometric principles. Use of common regression packages such as SPSS.

335 ECONOMICS OF REGULATION 3 F,S
ECO 240 req. Formerly *ECONOMICS OF TRANSPORTATION AND PUBLIC UTILITIES*.

The origins, aims, methods and effects of economic regulation with emphasis on public utilities and antitrust regulation.

345 INTERNATIONAL TRADE 3 F or S
ECO 240 or 245 req.

Causes and consequences of international trade. Analysis of tariffs, quotas, other trade restrictions, current trade policy and multinational corporations.

346 INTERNATIONAL MONETARY THEORY 3 F or S
ECO 241 or 245 req.

Mechanisms of international payments and evaluation of the international monetary system. Topics include exchange rates, balance of payments, international monetary cooperation, and connections between the domestic and international economy.

350 PUBLIC FINANCE 3 F or S
One 200-level Economics course req.

Analysis of the economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income.

351 STATE AND LOCAL FINANCE 3 F or S
One 200-level Economics course req.

Economic impacts of state and local government expenditures and taxes, cost benefit analysis, and intergovernmental fiscal relations.

353 THE ANALYSIS OF TIME SERIES 4 F or S
ECO 101, 331 or MAT 350 or cons inst req. Also offered as MAT 353.

Theory and application of regression and time series methods with reference to business and economic time series. Topics include regression, exponential smoothing, and Box-Jenkins methods. A computer statistical package will be used.

355 ENVIRONMENTAL ECONOMICS 3 F or S
One 200-level Economics course req.

Theoretical and empirical analysis of environmental pollution generation and of corrective policies. Emphasis upon the resource allocation implications of public policy decisions.

360 DEVELOPMENT OF THE AMERICAN ECONOMY 3 F or S
Two 200-level Economics courses or cons inst req.

Recent empirical studies and applications of economic theory to historical problems in an American context. Causes of the Great Depression, economics of slavery, and roles of agriculture, industry, and government in growth.

372 HISTORY OF ECONOMIC THOUGHT 3 F or S
Two 200-level Economics courses or cons inst req.

Economic analysis from the Mercantilists to the American Institutionalists. Relates earlier schools of thought to the contemporary.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN ECONOMIC RESEARCH 3-6 F,S
ECO 130, 131, 240, 241 or equiv and cons dept Prof Pract Coord req; 2.5 GPA in Economics courses; 2.2 overall GPA; and 50 hrs cr req. CR/NC only; not for cr maj/min; must complete dept application.

On-the-job experience as a practicing economist in private industry or government. Interns may be involved in all phases and types of economic research.

ENGLISH (ENG)

409 Stevenson Hall, (309) 438-3667

Chairperson: Ron Fortune.

Tenured/Tenure-track Faculty:

Distinguished Professors: Getsi, R. Tarr, R. White.

Professors: L. Brosnahan, Dammers, Elledge, Fortune, C. Harris, V. Harris, Hesse, Kagle, Morgan, Neuleib, O'Brien, Renner, Rutter, Shields, Steffensen, C. White, Woodson.

Associate Professors: Brassear, I. Brosnahan, Carr, Giscombe, Hawkins, Huff, Kalmbach, Scharton, Strickland, Susina, Wallace.

Assistant Professors: Balls, Broad, Bularzik, Cox, Graves, Harrington, McBride, McLaughlin, Parmantie, Saunders, Savage, A. Tarr, Thompson, Travis, Trites, Visor.

General Department Information

MINOR IN COGNITIVE SCIENCE

The Department of English participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

HONORS IN ENGLISH

The Department of English offers honors work to qualified students. Honors work includes intensive study in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Honors work is open only to resident students who have achieved superior academic records and who have demonstrated the ability to profit from independent study.

English Programs

Degrees Offered: B.A., all English majors; B.S., restricted as an option to students in the Teacher Certification Sequence.

MAJOR IN ENGLISH

- 40 hours in English required, *exclusive* of ENG 101 and courses in the teaching of English (291, 295, 296, 297, 395).
- Required courses: ENG 100 with "C" or better and 300.
- 9 hours selected from ENG 283, 284, 285, 286.
- 3 hours of British literature selected from ENG 110, 214, 215, 216, 217, 218, 219, 222, 223, 311, 320, 325, 327, 328, 329, 378, 386, 387, 388.
- 3 hours of American literature selected from ENG 130, 165, 231, 232, 233, 234, 236, 328, 332, 336.
- 3 hours in language and linguistics selected from ENG 241, 243, 245, 310, 311, 341.
- 3 hours in advanced writing selected from 246, 247, 248, 249.
- Of the remaining 12 hours, at least 6 hours of electives at the 200- through 300-level. Students should be guided by the "Goals of the Major in English at Illinois State University" (available from the Department undergraduate advisor) in choosing their electives.

Teacher Certification Sequence:

- Graduation in the English Major required.
- GPA of 2.5 in all English courses taken at Illinois State University required.
- 46 hours in English required, *exclusive* of ENG 101.
- Completion of entitlement program leading to certification: secondary 6-12.
- Required courses for certification and accreditation: ENG 243, 246, 285, 296, and 297. ENG 296 and 297 must be completed with a "C" or better; these courses include 35 clock-hours of state-mandated pre-student teaching Clinical Experiences.
- Additional required courses: ENG 100 with "C" or better and 300.
- 6 hours selected from ENG 283, 284, 286.
- 3 hours of British literature selected from ENG 110, 214, 215, 216, 217, 218, 219, 222, 223, 311, 320, 325, 327, 328, 329, 378, 386, 387, 388. ENG 110 is *strongly recommended* for students who have not taken a high school or community college survey course in British literature.
- 3 hours of American literature selected from ENG 130, 165, 231, 232, 233, 234, 236, 328, 332, 336. ENG 130 is *strongly recommended* for students who have not taken a high school or community college survey course in American literature.
- 3 hours in language and linguistics selected from ENG 241, 245, 310, 311, 341.
- 3 hours in multicultural and/or non-canonical literature selected from: 150, 156, 160, 165, 170, 250, 251, 252, 255, 260, 272, 290, 308, 352, 360, 370, 373, 375, 384. ENG 375 is *strongly recommended* for students who have not taken a high school or community college course in adolescent literature.
- Of the remaining 6 hours, at least 3 hours of electives at the 200- through 300-level. Students should be guided by the "Goals of the Major in English at Illinois State University" (available from the Department undergraduate advisor) in choosing their electives. ENG 247 is *strongly recommended* for students who have not taken a high school or community college course in creative writing.

MINOR IN ENGLISH

- 18 hours in English required, *exclusive* of ENG 101 and courses in the teaching of English (291, 295, 296, 297, 395).
- Required courses: ENG 100 with "C" or better; 3 hours selected from ENG 283, 284, 285, 286; at least 9 hours of 200- through 300-level courses.

MINOR IN ENGLISH

For Teacher Education:

- 24 hours in English required, *exclusive* of ENG 101.
- 2.5 GPA in all English courses taken at Illinois State University.
- Required courses: ENG 100 with "C" or better; 3 hours selected from ENG 283, 284, 285, 286; ENG 243; 3 hours in composition selected from ENG 246, 291, 297; at least 6 hours of 200- through 300-level courses. To meet state requirements, a course in American literature, British literature, and dramatics is strongly recommended.

MINOR IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL)

Students enrolling in this program must have at least 2 years of a foreign language or equivalent at the college level in the case of a native speaker of English, or demonstrated proficiency in English at a level commensurate with the student's role as a language model and instructor in the case of a non-native speaker of English.

- 18 hours required.
- Required courses: ENG 341, 343, 344, 345, and 346; 3 hours selected from ENG 241, 243, 310, 440, and COM 370.
- Elective practicum ENG 394.

Approval Certificate in Teaching English as a Second Language:

Students of both graduate and undergraduate standing may obtain an Illinois State Approval for Teaching English as a Second Language by fulfilling the following requirements: 1) fulfill Teacher Education Certification requirements of either the Standard Elementary and/or High School Certificate, 2) complete the 18 hours of required coursework as listed in the minor in TESOL above, and 3) obtain 100 clock hours of ESL Clinical Experience or 3 months of teaching experience in English as a Second Language at the appropriate level. This practical experience may be obtained by enrolling in ENG 394.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

MINOR IN WRITING

Courses taken for the Writing Minor may not count for the English Major.

- 24 hours required, including 15 hours of required courses and 9 hours elected from listed Writing courses.
- Required courses (15 hrs): ENG 145, 246, and 396; also 6 hours selected from ENG 244, 247, 248, 249, 391, 392.

- Electives (9 hrs) selected from ENG 244, 247, 248, 249, 391, and 392 to the extent these courses have not been used to meet the 6-hour requirement previously listed; ENG 290, 291, 297, 347.01, 347.02, 348, 349, 350, 398 (Professional Practice, when it has a significant writing component); COM 166, 267, 268, and 385; BSC 304. No more than 2 courses from departments other than English may be used to fulfill the 9-hour elective requirement.

English Courses

The courses offered by the Department of English fall into three categories: those for University Studies, those for major and minor fields, and those for specialized aspects in English. English 101 is required of all students for University Studies, and it is strongly recommended that students take 101 before taking further courses in English.

100 INTRODUCTION TO ENGLISH STUDIES

3 F,S

English maj/min only.

Introduction to literature, rhetoric, and language and to the concept of English Studies.

101 LANGUAGE AND COMPOSITION I

US-1 3 F,S

Passage of placement exam req. Does not count toward a first or second field in English. May not be taken under the CT/NC option.

Essentials of college composition: organization, paragraph and sentence structure, proficient use of grammar and mechanics. Computer-assisted.

104 INTRODUCTION TO LITERATURE:

POETRY AND DRAMA US-2 3 F,S

Not for cr maj/min or if had ENG 100.

Critical and analytical study of the chief literary forms of poetry and drama; written essays.

105 INTRODUCTION TO LITERATURE:

PROSE FICTION US-2 3 F,S

Not for cr maj/min or if had ENG 100.

Critical and analytical study of the chief literary forms of the short story and novel; written essays.

106 INTRODUCTION TO LITERATURE: LITERARY THEMES AND TOPICS

3 F,S

Not for cr maj/min. May be repeated once if topic and content are different.

A critical and analytical study of literary works based on a particular theme or topic; written essays.

107 LITERATURE AND FILM

US-2 3 F,S

Not for cr maj/min.

A critical and analytical study of literary works and the films adapted from them with attention to the characteristics of each medium; written essays.

110 MASTERPIECES OF

ENGLISH LITERATURE US-2 3 F,S

A chronological study of the main movements in English literature. Readings of entire works representative of the movements.

122 INTRODUCTION TO SHAKESPEARE

US-2 3 F,S

Not for cr maj/min.

An introduction to Shakespeare as a literary and dramatic writer, through a study of representative plays.

130 MASTERPIECES OF**AMERICAN LITERATURE US-2 3 F,S**

A chronological study of the main movements in American literature. Readings of entire works representative of the movements.

141 HUMAN LANGUAGE US-1 3 F,S

Not for cr Teacher Certification Seq.

Introduction to the study of human language, the branches of the field, its past, present, and future.

145 LANGUAGE AND COMPOSITION II**US-1 3 F,S**

ENG 101 req.

Extensive writing based on interests of students. One research paper. Computer-assisted.

150 MASTERPIECES OF WORLD**LITERATURE TO 1350 US-2 3 F,S**

Readings in ancient and medieval literature, including Dante.

160 WOMEN IN LITERATURE US-2 3 F,S

Female experiences in literature. A variety of genres and historical periods.

165 AFRICAN-AMERICAN LITERATURE**US-2 3 F,S**

Contributions to American literature by representative African American authors, with emphasis on the 20th century.

170 FOUNDATIONS IN LITERATURE FOR CHILDREN**3 F,S**

Prose and poetry for children ages 5-14; emphasis on classics, best of the 20th century works, folklore heritage, and mythology.

201 SPECIALIZED KNOWLEDGE AND INTEGRATIVE CONTEXTS IN ENGLISH STUDIES**3 F,S**

C or better in ENG 100 or cons dept chair req.

Study of a specialized topic (a writer, a literary form, a concept in linguistics or in writing, etc) from several disciplinary perspectives within English Studies.

213 MEDIEVAL ENGLISH LITERATURE AND CULTURE**3**

C or better in ENG 100 or cons dept chair req.

English literature during the Middle Ages from the 4th century to the 15th. Readings in translation from Old and Middle English.

214 LITERATURE OF THE RENAISSANCE**3**

C or better in ENG 100 or cons dept chair req.

English literature during the 15th and 16th centuries; the dramatic literature exclusive of Shakespeare, prose and poetic writings.

215 LITERATURE OF THE SEVENTEENTH CENTURY**3**

C or better in ENG 100 or cons dept chair req.

Prose and verse writers of the 17th century. Chief attention to the Cavalier and Metaphysical poets and major prose works.

216 LITERATURE OF THE EIGHTEENTH CENTURY**3**

C or better in ENG 100 or cons dept chair req.

English literature from 1660 to 1780, the Augustan Age. Chief attention to Dryden, Pope, Swift, and Johnson.

217 LITERATURE OF THE ROMANTIC PERIOD**3 F,S**

C or better in ENG 100 or cons dept chair req.

Writers of England, 1780 to 1830—the Romantic reaction. Chief attention to Wordsworth, Coleridge, Byron, Shelley, Keats, and Scott.

218 LITERATURE OF THE VICTORIAN PERIOD**3 F,S**

C or better in ENG 100 or cons dept chair req.

Emphasis on the poetry of Tennyson, Browning, Arnold, and the Pre-Raphaelites, with some attention to the chief prose writers of the period.

219 CONTEMPORARY ENGLISH LITERATURE**3 F,S**

C or better in ENG 100 or cons dept chair req.

Major English writers of the 20th century with attention to contemporary trends in thought and expression.

222 SHAKESPEARE'S EARLIER WORKS 3 F,S

C or better in ENG 100 or cons dept chair req.

Selected works through 1600 with emphasis on comedies and histories.

223 SHAKESPEARE'S LATER WORKS 3 F,S

C or better in ENG 100 or cons dept chair req.

Selected plays after 1600 with emphasis on tragedies.

231 AMERICAN LITERATURE:**1607-1830****3 F,S**

C or better in ENG 100 or cons dept chair req.

Colonial American writers and Neo-Classicism in America from the beginnings of American literature to Washington Irving.

232 AMERICAN LITERATURE:**1830-1870****3 F,S**

C or better in ENG 100 or cons dept chair req.

Main figures and movements of mid-19th century American literature. Emphasis on Hawthorne, Melville, Poe, Emerson, and Whitman.

233 AMERICAN LITERATURE:**1870-1920****3 F,S**

C or better in ENG 100 or cons dept chair req.

The rise of realism and naturalism in America. Emphasis on writers such as Twain, Crane, Norris, James, Howells, Dreiser, and the chief poetic movements.

234 AMERICAN LITERATURE:**1920-1945****3 F,S**

C or better in ENG 100 or cons dept chair req.

Trends in American literature between the World Wars. Emphasis on Eliot, Hemingway, Faulkner, and their contemporaries.

236 AMERICAN LITERATURE:**1945-PRESENT****3 F,S**

C or better in ENG 100 or cons dept chair req.

Present-day trends in American literature.

**241 GROWTH AND STRUCTURE
OF THE ENGLISH LANGUAGE 3 F,S**

An introduction to the history of English designed to help students understand language change and the state of contemporary English.

**243 TRADITIONAL AND NON-TRADITIONAL
GRAMMARS 3 F,S**

Various grammatical descriptions of English: traditional, structural, and transformational generative systems.

**244 APPLIED GRAMMAR AND
USAGE FOR WRITERS 3**
ENG 100 or 145 req.

Traditional, structural, and transformational grammars applied to needs of writers. Choosing among alternative grammatical strategies. Usage; semantics of punctuation. Revising.

245 GENERAL SEMANTICS 3 F,S
The nature of meaning and the functions of language.

246 ADVANCED EXPOSITION 3 F,S
ENG 100 or 145 req.

Extensive writing of essays developed in greater depth and sophistication in subject matter than those written in previous writing courses. Computer-assisted.

247 CREATIVE WRITING 3 F,S
Opportunity for creative writing of various kinds, such as narrative, drama, and verse, determined largely by each student's individual interest.

248 PRELAW EXPOSITION 3 F
ENG 101 req.
Advanced writing course for prelaw students.

249 TECHNICAL WRITING I 3 F,S
ENG 101 req.

Instruction and practice in writing professional papers and reports; attention given to organization, correctness, and acquisition of clear professional style. Computer-assisted.

250 LITERATURE OF THE BIBLE I US-2 3 F,S
Major ideas and literary forms of the Old Testament.

251 LITERATURE OF THE BIBLE II US-2 3 F,S
Major ideas and literary forms of the Apocrypha and the New Testament.

252 WORLD LITERATURE: 1350-1800 3
C or better in ENG 100 or cons dept chair req.

European literature from the Renaissance through Early Romanticism. A comparative study of literary history, ideas, themes and genres.

**255 MODERN WORLD LITERATURE:
1800-PRESENT 3**
C or better in ENG 100 or cons dept chair req.

World literature from later Romanticism through Modernism. A comparative study of literary history, ideas, themes and genres.

**260 HISTORY OF LITERATURE
BY WOMEN 3 F,S**

Women writers in the Western tradition from the late Middle Ages to the present; emphasis on those writing in English.

**271 LITERATURE FOR
YOUNG CHILDREN 3 F,S**
Does not repeat material of ENG 170.

Wide reading of books available for children ages 5 to 9, criteria for book selection, development of literature experiences.

**272 LITERATURE FOR
PRE-ADOLESCENTS 3 F,S**
Does not repeat material of ENG 170.

Wide reading in variety of books available for ages 9 to 14, criteria for book selection, development of literature experiences.

**283 RHETORICAL THEORY
AND APPLICATIONS 3**
*C or better in ENG 100 or cons dept chair req. English
maj/min only.*

Critical and analytical examination of the nature and historical development of rhetorical theory and its applications to contemporary discourse.

284 POETRY 3 F,S
*C or better in ENG 100 or cons dept chair req. English
maj/min only.*

Critical and analytical examination of the nature and historical development of poetry.

285 DRAMA 3 F,S
*C or better in ENG 100 or cons dept chair req. English
maj/min only.*

Critical and analytical examination of the nature and historical development of drama as a genre.

286 PROSE 3 F,S
*C or better in ENG 100 or cons dept chair req. English
maj/min only.*

Critical and analytical examination of the nature and historical development of prose literature—fiction and non-fiction.

290 LANGUAGE ARTS 3 F,S
The study of language development and experiences in areas such as thinking, listening, speaking, writing, vocabulary development, usage, and spelling.

**295 TEACHING LITERATURE
AND WRITING IN THE
MIDDLE SCHOOL 3 F**
Not to be taken by English Ed maj without permission.

Surveys recent scholarship on composition and literary theory and examines implications for teaching literature and writing at the middle school level. Computer assisted.

296 THE TEACHING OF LITERATURE 3 F
*C or better in C&I 216 or conc reg req. Incl Clin Exp:
18 hrs, Type 1-5 and 9. Adm to Teacher Ed req.*

Examines implications of current scholarship in literary theory for teaching literature at the secondary level.

297 THE TEACHING OF WRITING 3 F
*C or better in C&I 216 or conc reg req. Incl Clin Exp:
18 hrs, Type 1-5 and 9. Adm to Teacher Ed req.*

Examines implications of current scholarship in composition theory for teaching writing at the secondary level. Computer assisted.

- 300 SENIOR SEMINAR** 4 F,S
English maj and sr standing or cons dept chair req.
 Intensive study of an announced area and the formulation of an individual portfolio.
- 308 LITERATURE AND THE RELATED ARTS** 3
Jr/sr standing or cons dept chair req.
 Formal, aesthetic, and cultural relationships among literature, art, and music with special emphasis upon literary understanding.
- 310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE** 3
Jr/sr standing or cons dept chair req.
 Development of the English language from the Old English period to the present, with attention to operational structures of contemporary English.
- 311 INTRODUCTION TO OLD ENGLISH LANGUAGE AND LITERATURE** 3
Jr/sr standing or cons dept chair req.
 Elements of Old English grammar, with selected readings in Old English literature.
- 320 CHAUCER** 3
Jr/sr standing or cons dept chair req.
 Literary and linguistic study of the major works of Chaucer; text in Middle English.
- 324 MILTON** 3
Jr/sr standing or cons dept chair req.
 Major poetry and prose of John Milton; special attention to "Paradise Lost."
- 325 ENGLISH DRAMA BEFORE 1642** 3
Jr/sr standing or cons dept chair req.
 English drama, excluding Shakespeare, from its beginning to the closing of the theatres; authors such as Marlowe, Jonson, Webster.
- 327 RESTORATION AND EIGHTEENTH-CENTURY DRAMA** 3
Jr/sr standing or cons dept chair req.
 English drama from 1660 to 1800, including playwrights such as Dryden, Wycherley, Congreve, Goldsmith, and Sheridan.
- 328 MODERN BRITISH AND AMERICAN DRAMA** 3
Jr/sr standing or cons dept chair req.
 20th-century British and American drama and related criticism; playwrights such as Shaw, O'Neill, Williams, Albee, Pinter, and Beckett.
- 329 SELECTED FIGURES IN BRITISH LITERATURE** 3
Jr/sr standing or cons dept chair req. May be repeated if content different.
 Important literary figures, types, themes, or movements.
- 332 SELECTED FIGURES IN AMERICAN LITERATURE** 3
Jr/sr standing or cons dept chair req. May be repeated if content different.
 Important literary figures, genres, or movements.
- 336 THE AMERICAN NOVEL** 3 F,S
Jr/sr standing or cons dept chair req.
 Historical survey of major American novelists, including authors such as Twain, Hawthorne, Melville, Crane, Hemingway, Faulkner, and Barth.
- 341 INTRODUCTION TO DESCRIPTIVE LINGUISTICS** 3
Jr/sr standing or cons dept chair req.
 Aims and methods of linguistic science. Nature and functions of language: phonology, morphology, syntax, dialectology. Relationship of language to culture.
- 343 CROSS-CULTURAL ASPECTS IN TESOL** 3
ENG 241 or 243 or 341 req.
 The relationship between language, culture, and cultural awareness in the learning and teaching of English as a Second Language.
- 344 TESOL: THEORETICAL FOUNDATIONS** 3
ENG 243 or 341 req.
 Linguistic theories; first and second language acquisition; cognitive, affective, and cultural factors in teaching English as a Second Language.
- 345 TESOL: METHODS AND MATERIALS** 3
ENG 344 req. Inc Clin Exp.
 Methodologies and techniques for teaching English as a Second Language; evaluation of materials for various levels and instructional goals.
- 346 ASSESSMENT AND TESTING IN ESL** 3
ENG 341 req.
 Assessing oral and written proficiency in English as a Second Language.
- 347.01 ADVANCED CREATIVE WRITING: POETRY** 3 F,S
ENG 247 or grad standing. May be repeated if content different.
 Workshop format for individual projects.
- 347.02 ADVANCED CREATIVE WRITING: PROSE** 3 F,S
ENG 247 or grad standing. May be repeated if content different.
 Workshop format for individual projects.
- 348 PLAYWRITING** 3
Also offered as THE 348.
 Playwriting techniques of selected masters with practical application of techniques in writing original plays.
- 349 TECHNICAL WRITING II** 3 F,S
ENG 249 or grad standing. Also offered as IT 349.
 Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication. Computer-assisted.
- 350 VISIBLE RHETORIC** 3
ENG 349 or cons inst req.
 Study of the visible elements of rhetoric and of publishing as an integrating activity in English. Computer assisted.

351 HYPERTEXT 3 F,S*ENG 246 or 249 or grad status or cons inst req.*

Writing workshop emphasizing the creation of electronic, screen-bound documents. Includes study of interactive literature, on-line documentation, hypermedia, and electronic publishing.

352 SELECTED FIGURES IN WORLD LITERATURE 3*Jr/sr standing or cons dept chair req. May be repeated if content different.*

Important literary figures, types, themes, or movements.

360 STUDIES IN WOMEN AND LITERATURE 3*Jr/sr standing or cons dept chair req.*

Studies in literature by or about women, focusing on stereotyping of male and female experience and developing feminist aesthetic theories.

370 STUDIES IN THE HISTORY OF LITERATURE FOR YOUNG PEOPLE 3*ENG 170 rec. May be repeated if content different.*

Advanced critical, chronological examination of literature for children and adolescents from folklore origins to 1900.

372 STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE 3*ENG 170 rec. May be repeated if content different.*

A problem-centered course, emphasizing trends and research related to recent literature for children and early adolescents.

373 VERSE FOR CHILDREN 3*ENG 170 and either 271 or 272 rec.*

Verse for children and early adolescents, including various categories, elements, and well-known poets in the field.

374 STORYTELLING 3

The art of storytelling based on knowledge of folklore heritage with experiences in oral transmission of literature in a variety of settings.

375 STUDIES IN LITERATURE FOR ADOLESCENTS 3*Jr/sr standing or cons dept chair req. May be repeated if content different.*

Advanced critical examination of literature for young adults with emphasis on trends and research.

378 SHAKESPEARE ON STAGE 3 Summer*May be repeated once. Also offered as THE 378.*

An intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his works.

381 STUDIES IN LITERARY GENRES 3*ENG 100 or grad standing or cons inst req. May be repeated if content different.*

Systematic study of theory and practice of a literary type or genre.

382 LITERARY CRITICISM 3*Jr/sr standing or cons dept chair req.*

Historical survey of selected great texts in literary and critical theory from Plato to the present.

384 INTRODUCTION TO CULTURAL THEORY 3*Jr/sr standing or cons dept chair req.*

Introduction to the history and practice of interpretive cultural theory.

386 THE EIGHTEENTH-CENTURY ENGLISH NOVEL 3*Jr/sr standing or cons dept chair req.*

The English novel from its origins through the 18th century, including writers such as Richardson, Fielding, Smollett, and Sterne.

387 THE NINETEENTH-CENTURY ENGLISH NOVEL 3*Jr/sr standing or cons dept chair req.*

The English novel between 1800 and 1900, treating writers such as Austen, Thackeray, Dickens, Eliot, and Hardy.

388 THE TWENTIETH-CENTURY ENGLISH NOVEL 3*Jr/sr standing or cons dept chair req.*

The English novel since 1900, treating writers such as Bennett, Lawrence, Woolf, Joyce, and Greene.

390 RESEARCH STUDIES IN LANGUAGE ARTS 3*Jr/sr standing or cons dept chair req.*

Critical study of current practice and research in language arts and language development.

391 SURVEY OF CLASSICAL RHETORIC 3 F*Jr/sr standing or cons dept chair req.*

Rhetorical theories from ancient Greece to 1900, emphasizing Plato, Aristotle, Cicero, and Quintilian.

392 MODERN THEORIES OF RHETORIC 3 S*Jr/sr standing or cons dept chair req.*

Study of the principles of rhetoric to serve as basis for understanding contemporary rhetorical theories.

394 TESOL PRACTICUM 1-6*ENG 345 req.*

Observation, case studies, tutoring, instructional assistance, and/or direct instruction in English as a Second Language.

395 PROBLEMS IN THE TEACHING OF ENGLISH 3*Experience in teaching (student teaching acceptable) or ENG 296 or 297. May be repeated if topics different.*

Theory and practice in the teaching of language, literature, and composition at the secondary and community college levels.

396 THE WRITING SEMINAR 3 F,S*ENG 246 or grad standing or cons dept chair req.*

Concentration upon a major writing project and the formulation of an individual Writing Portfolio.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN ENGLISH 1-6 F,S*Cons inst and dept chair req. May be repeated; max 6 hrs toward maj/min; max 16 hrs toward graduation.*

Supervised field experience in English with local, state, national, and international businesses, agencies, institutions (including colleges and universities), and organizations.

FOREIGN LANGUAGES (FOR)

114 Stevenson Hall, (309) 438-3604

Chairperson: Carl Springer

Tenured/Tenure-track Faculty:

Professors: Bohn, Johnston, Kurtz, Laurenti, Parent, Springer, Urey.

Associate Professors: Alstrum, Berry, Kapanga, Nance, Reid, Segelcke, Thomas, Trouille, VanderLaan, Weeks.

Assistant Professors: Balibra-Enriquez, Davies, Dowell, Heggie, Mir, Widdison.

General Department Information

MINOR IN COGNITIVE SCIENCE

The Department of Foreign languages participates in the Minor in Cognitive Science program. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

HONORS IN FOREIGN LANGUAGES

The Department invites highly qualified majors (or double majors) to distinguish themselves by earning honors in French, German, or Spanish. To be admitted to the program a student must: 1. have completed 60 hours of university-level work; 2. be a declared major or double major in Foreign Languages; and 3. have a minimum overall GPA of 3.3 with a GPA of 3.6 in the chosen language. In order to graduate with departmental honors a student must: 1. complete the general requirements for the major; 2. maintain an overall GPA of 3.3 and a GPA of 3.6 in the major language; 3. complete 9 hours of in-course honors work at the 300-level in the major; 4. complete 3 hours of Independent Honors Study (FOR 299) in addition to the regular major requirements; and 5. write an honors thesis during the senior year while enrolled in FOR 299. Students interested in participating may obtain additional information from the Director of the Honors Program in Foreign Languages. The Department also offers in-course honors work for students enrolled in the University Honors Program at the discretion of the instructor.

French Programs

Degree Offered: B.A.

MAJOR IN FRENCH

- A minimum of 35 hours and maximum of 43 hours in French are required. The number of hours required for the Major in French depends on the level at which a student begins the program. Students with no previous study in French begin the language with FR 111 and must complete 43 hours. Students with 2 years of high school French (or equivalent) normally begin with FR 112 and must complete 39 hours beyond 111. Students with 3 years of high school French (or equivalent) normally begin with FR 115 and must complete 35 hours beyond 111 and 112.
- Required courses: FR 115, 116, 213, 220, 221, 222, 235, 395, plus 9 elective hours at the 300-level or above including at least one 300-level literature course.

Teacher Certification Sequence:

- A minimum of 37 hours and a maximum of 45 hours in French are required. The number of hours required for the Major in French for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in French begin the language with FR 111 and must complete 45 hours. Students with 2 years of high school French (or equivalent) normally begin with FR 112 and must complete 41 hours beyond 111. Students with 3 years of high school French (or equivalent) normally begin with FR 115 and must complete 37 hours beyond 111 and 112.
- Required courses: FR 115, 116, 213, 214, 220, 235, 305, 309; FOR 319, 320; and either FR 221 or 222, plus sufficient electives to meet the total hour requirement as indicated previously.
- Part of entitlement program leading to certification: secondary 6-12.
- Recommended electives: FR 321, 395.

MINOR IN FRENCH

- 25 hours in French required.
- Required courses: FR 111, 112, 115, 116, 213; plus sufficient electives to meet the 25-hour requirement.

MINOR IN FRENCH

Teacher Certification Requirements:

- A minimum of 26 and a maximum of 34 hours in French are required. The number of hours required for the Minor in French for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in French begin the language with FR 111 and must complete 34 hours. Students with 2 years of high school French (or equivalent) normally begin with FR 112 and must complete 30 hours beyond 111. Students with 3 years of high school French (or equivalent) normally begin with FR 115 and must complete 26 hours beyond 111 and 112.
- Required courses: FR 115, 116, 213, 214, 309; FOR 319; plus sufficient electives to meet the total hour requirements as indicated above.
- Recommended electives: FR 220, 221, 222, 235; FOR 320, 321.

German Programs

Degree Offered: B.A.

MAJOR IN GERMAN

- 35-43 hours in German required. The number of hours required for the Major in German depends on the level at which the student begins the program. Students with no previous study in German begin in 111 and are required to complete 43 hours. Students with two years of high school German or equivalent normally begin with 112 and are required to complete 39 hours, exclusive of 111. Students with 3 years of high school German or equivalent normally begin in 115 and are required to complete 35 hours, exclusive of 111 and 112.
- Required courses: GER 115, 116, 211, 213, 214, 217, 222, 395, and 1 literature course at the 300-level, plus sufficient electives to meet the total hour requirement indicated in the following text.

Teacher Certification Sequence:

- 37-45 hours in German required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: GER 115, 116, 211, 213, 214, 217, 218, 309; FOR 319, 320; and 1 literature course at the 300-level, plus sufficient electives to meet the total hour requirement indicated below.
- Recommended electives: GER 216, 222, 321, 395.
- The number of hours required for the Major in German for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in German begin the language with GER 111 and are required to complete 45 hours. Students with 2 years of high school German (or equivalent) normally begin with GER 112 and are required to complete 41 hours, exclusive of 111. Students with 3 years of high school German (or equivalent) normally begin with GER 115 and are required to complete 37 hours, exclusive of 111 and 112.

MINOR IN GERMAN

- 25 hours in German required.
- Required courses: GER 111, 112, 115, 116, 211, 213, plus sufficient electives to meet the 25-hour minimum.

MINOR IN GERMAN**For Teacher Education:**

- 26-34 hours in German required.
- Required courses: German 115, 116, 211, 213, 214, 217 or 218; FOR 319, plus sufficient electives to meet the total hour requirement indicated previously.
- Recommended electives: GER 216, 222, 309; FOR 320, 321.
- The number of hours required for the Minor in German for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in German begin the language with GER 111 and are required to complete 34 hours. Students with 2 years of high school German (or equivalent) normally begin with GER 112 and are required to complete 30 hours, exclusive of 111. Students with 3 years of high school German (or equivalent) normally begin with GER 115 and are required to complete 26 hours, exclusive of 111 and 112.

Japanese Program**MINOR IN JAPANESE STUDIES**

- 25 hours in Japanese and related courses required.
- Required courses: JPN 111, 112, 115, 116, 231, 232, plus sufficient electives to meet the total hours indicated previously.
- Electives: HIS 275; JPN 285, SOA 294, or other approved by Department.

Latin Programs**MINOR IN LATIN**

- 25 hours in Latin and related courses required.
- Required courses: LAT 111, 112, 115, 116, 221, 222, plus sufficient electives to meet the 24-hour minimum.
- Electives: FOR 105; HIS 221; PHI 254; ART 367, or others approved by Department.

MINOR IN LATIN**Teacher Certification Requirements:**

- Program requirements are the same as those for the Minor in Latin.
- Students not majoring in Foreign Languages Education are encouraged to take FOR 319.

Russian Programs**MINOR IN RUSSIAN**

- 25 hours in Russian required.
- Required courses: RUS 111, 112, 115, 116, 231, plus sufficient electives to meet the 25-hour minimum.

MINOR IN RUSSIAN**Teacher Certification Requirements:**

- Program requirements are the same as those for the Minor in Russian.
- Students not majoring in Foreign Languages Education are encouraged to take FOR 319.

Spanish Programs

Degree Offered: B.A.

MAJOR IN SPANISH

- A minimum of 35 hours and a maximum of 43 hours in Spanish required. The number of hours required for the major in Spanish depends on the level at which a student begins the program. Students with no previous study in Spanish begin the language with SPA 111 and must complete 43 hours. Students with 2 years of high school Spanish (or equiv) normally begin with SPA 112 and must complete 39 hours beyond 111. Students with 3 years of high school Spanish (or equiv) normally begin with SPA 115 and must complete 35 hours beyond SPA 111 and 112.
- Required courses: SPA 115, 116, 211, 232, 235, 395, and 2 of the following 3: SPA 221, 222, 242; plus 9 elective hours, 2 courses of which must be taken at the 300-level or above.
- Recommended elective: SPA 231 (not for credit if have ACTFL speaking score of Advanced).

Teacher Certification Sequence:

- Part of entitlement program leading to certification: secondary 6-12.
- A minimum of 37 hours and a maximum of 45 hours in Spanish required. The number of hours required for the Major in Spanish for Teacher Certification depends upon the level at which a student begins the program. Students with no previous study in Spanish begin the language with SPA 111 and must complete 45 hours. Students with 2 years of high school Spanish (or equiv) normally begin with SPA 112 and must complete 41 hours beyond 111. Students with 3 years of high school Spanish (or equiv) normally begin with SPA 115 and must complete 37 hours beyond SPA 111 and 112.
- Required courses: SPA 115, 116, 217, 218 or 305, 232, 235, 309; FOR 319, 320; plus sufficient electives to meet the total hour requirement indicated previously.

- Recommended electives: SPA 211, 221; 222 or 242; 231, 321, 395, (231 not for credit if have ACTFL speaking score of Advanced).

MINOR IN SPANISH

- 25 hours in Spanish required.
- Required courses: SPA 111, 112, 115, 116, 231 or 232 (231 not for credit if have ACTFL speaking score of Advanced), and 1 literature course at the 200-level or above, plus sufficient electives to meet the total hour requirement indicated above.
- Recommended elective: SPA 232, if not taken to fulfill requirement.

MINOR IN SPANISH

For Teacher Education:

- A minimum of 26 and a maximum of 34 hours in Spanish required. The number of hours required for the Minor in Spanish for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in Spanish begin the language with SPA 111 and must complete 34 hours. Students with 2 years of high school Spanish (or equiv) normally begin with SPA 112 and must complete 30 hours beyond SPA 111. Students with three years of high school Spanish (or equiv) normally begin with SPA 115 and must complete 26 hours beyond SPA 111 and 112.
- Required courses: SPA 115, 116, 231 or 232, 235, 309; FOR 319; plus sufficient electives to meet the total hour requirement previously indicated.
- Recommended electives: SPA 217; 218; 231 (231 not for credit if have ACTFL speaking score of Advanced), 305; FOR 320, 321.

Teacher Education Requirements:

Students seeking a Teacher Education degree must complete University-wide Teacher Education program requirements. These include a minimum GPA of 2.5 in major. All Teacher Education majors must complete FOR 319 and 320. FOR 319 is taken in the fall semester and 320 in the spring semester of the junior or senior year. Professional Education requirements should be met beginning in the sophomore year. Teacher Education students are encouraged to apply for Admission to Teacher Education as soon as they have completed 45 hours, and must complete the Professional Education course work, the state of Illinois General Education requirements for Teacher Certification and all other Teacher Education requirements (See College of Education section of the *Undergraduate Catalog*).

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Foreign Languages Courses

Consult the *Class Registration Directory* to determine which courses will be offered in a given semester.

For those languages which have no specific placement recommendations listed in this *Undergraduate Catalog*, students who have had no prior instruction in a foreign language, or 1 year of instruction, should enroll in the 111 course for the appropriate language. Students who have had 2, 3 or 4 years generally enroll in 112, 115 or 116 respectively. If prior language study took place more than 1 year earlier, a student may choose to enroll at a lower level. Transfer students and native speakers should consult with the Department's academic advisor to determine proper placement.

ADVANCED PLACEMENT

If the first Foreign Languages course in which a student enrolls is above 111 in the regular sequence (112, 115, 116 or above), he or she may be eligible for proficiency acquired elsewhere. Student must apply for CAP by filling out a short form in the Department of Foreign Languages.

Credit toward graduation for acquired proficiency will be granted upon completion at Illinois State University of 1 course (excluding Independent Study) with the grade of "C" or better. It is recommended that the course be taken as soon as possible after matriculation at Illinois State University. Students are reminded that no course in the major or minor may be taken on the CT/NC option.

Students beginning at the 112-level and fulfilling the previous requirements will be granted 4 hours of CAP. Students beginning at the 115-level or above and fulfilling the above requirements will be granted 8 hours of CAP.

300-Level Foreign Languages Courses:

Instruction in courses in literature and culture of the major fields of specialization (French, German, Spanish) will be given in the language of specialization whenever possible.

General Courses

300 RESEARCH IN FOREIGN LANGUAGES

1-3 F,S

Cons dept chair req.

Supervised work in a foreign literature, in comparative language studies, or in educational materials for foreign language laboratory. Assignments will depend on the preparation and interest of the student.

- 319 PRINCIPLES IN FOREIGN LANGUAGE LEARNING** 3 F
FRE or SPA 309 or 310 or GER 309 or 313 or conc reg req. C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp: 25 hrs, Type 1, 5, 9, 10. Adm to Teacher Ed req.

Processes of second language acquisition. Emphasis on the use of contrastive and error analysis to identify and predict common student errors in the target language.

- 320 FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL** 3 S
C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp: 25 hrs, Type 3, 5, 9, 10. Adm to Teacher Ed req.
 Methods of teaching foreign languages in the secondary school. Special emphasis is given to materials and activities leading to mastery.

- 321 MEDIA MATERIALS AND USE IN THE TEACHING OF FOREIGN LANGUAGES** 2 S
FOR 320 req; COM 240 rec. C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp: 15 hrs, Type 3, 5, 9, 10.
 Supplementing the basic methodology of Foreign Language teaching with media materials and the techniques for their use in the language classroom.

- 398 PROFESSIONAL PRACTICE: INTERNSHIPS AND COOPERATIVE EDUCATION IN FOREIGN LANGUAGE 1-16** F,S,Summer
Complete dept application procedure. Max 16 hrs toward graduation. Depending upon nature of placement, dept may allow 1-4 hrs to count toward maj/min in language used. May be repeated.

Chinese Courses

- 111 FIRST-YEAR CHINESE (PART I)** US-1 4 F
 Introductory chinese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.

- 112 FIRST-YEAR CHINESE (PART II)** US-1 4 S
 Continuation of Introductory Chinese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.

Classics Courses

- 105 CLASSICAL MYTHOLOGY** US-2 3 F,S
Taught in English.
 The major myths; their nature, origins, interpretations, influence, relevance, and use in the modern world. Designed to enable the student to understand and appreciate the use of classical mythology in literature, art, and music.

French Courses

- 111 FIRST-YEAR FRENCH (PART I)** US-1 4 F,S
Not rec if student had 3 yrs of high school French. Not for cr if had FR 115 or 116.
 Pronunciation; essentials of grammar; exercises in hearing, speaking and writing French; reading material of graded difficulty.

- 112 FIRST-YEAR FRENCH (PART II)** US-1 4 F,S
Not for cr if had FR 115 or 116.
 Continuation of Part I.

- 115 SECOND-YEAR FRENCH (PART I)** US-1 4 F,S
FR 112 or high school French equiv req.
 Class reading of short stories, plays, and essays. Grammar review, oral and written composition.

- 116 SECOND-YEAR FRENCH (PART II)** US-1 4 F,S
 Continuation of Part I.

- 213 ADVANCED TECHNIQUES IN WRITTEN FRENCH** 3 F,S
FR 116 req.
 Written communication skills in French. Formal and informal writing, use of dictionaries and reference materials, orthography, and vocabulary building. Grammar review.

- 214 ADVANCED FRENCH CONVERSATION AND CONTEMPORARY CULTURE** 3 F,S
FR 116 req. Formerly ADVANCED TECHNIQUES IN SPOKEN FRENCH.
 Introduction to contemporary French culture and development of oral communication and listening skills.

- 220 ADVANCED FRENCH READING AND VOCABULARY SKILLS** 3
FR 116 req. Rec conc reg or following FR 213.
 Vocabulary building through the reading and discussion of representative French poems, plays, and prose texts. Grammar review.

- 221 SURVEY OF FRENCH LITERATURE I** US-2 3
FR 220 req.
 French literature from the Middle Ages to the 18th century.

- 222 SURVEY OF FRENCH LITERATURE II** US-2 3
FR 220 req. May be taken before FR 221.
 French literature of the 19th and 20th centuries.

- 235 ADVANCED FRENCH GRAMMAR** 3
2 courses beyond FR 116 req. Formerly 310.
 Systematic study of the morphology and syntax of the modern French language.

- 305 HISTOIRE DE LA CIVILISATION FRANCAISE** 3
2 courses beyond FR 116 req. May be repeated if content differs. Formerly INTRODUCTION TO FRENCH CIVILIZATION.
 Survey of French culture and civilization from ancient times to the present day.

- 309 FRENCH PHONETICS** 3 F or S
2 courses beyond FR 116 req.
 Scientific approach to French pronunciation, correct formation of French sounds, practical application of the theory of phonetics.

- 315 SELECTED TOPICS IN FRENCH
MIEVEAL LITERATURE
AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

Medieval French literature, in the original and in modern French translation, in its cultural context.

- 316 SELECTED TOPICS IN SIXTEENTH-
CENTURY FRENCH LITERATURE
AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

The Renaissance as expressed in the leading 16th-century French writers in their cultural context.

- 317 SELECTED TOPICS IN SEVENTEENTH-
CENTURY FRENCH LITERATURE
AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

A study of plays by Corneille, Racine, and Moliere, and selections from other 17th-century writers, in their cultural context.

- 318 SELECTED TOPICS IN EIGHTEENTH-
CENTURY FRENCH LITERATURE
AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

Readings of representative literary texts from the Age of Enlightenment in their political, philosophical, and socio-cultural contexts.

- 319 SELECTED TOPICS IN NINETEENTH-
CENTURY FRENCH LITERATURE
AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

Readings of representative 19th-century literary texts, in their cultural (philosophical, political, social, economic, and historical) contexts.

- 320 SELECTED TOPICS IN TWENTIETH-
CENTURY FRENCH LITERATURE
AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

Modern authors, genres, or movements in 20th-century French literature in their cultural contexts.

- 325 SELECTED TOPICS IN FRANCOPHONE
LITERATURE AND CULTURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

Readings of representative literary works in their cultural contexts written in French by authors residing outside France.

- 335 COMPARATIVE FRENCH/ENGLISH
GRAMMAR AND STYLE** 3
*FR 235 (formerly 310) or cons inst req. Formerly 402,
STYLISTICS.*

Intensive, advanced, comparative grammar, and composition, including analysis of stylistic differences between French and English.

- 385 SELECTED TOPICS IN
FRENCH LITERATURE** 3
*2 courses beyond FR 116 req. May be repeated if
content different.*

Intensive study of a genre, group of authors or a single major writer in French literature. This study varies each semester.

- 395 SENIOR SEMINAR** 3 S
Sr standing in the major req.

Close reading and analysis of literary texts representative of the major genres and literary periods, in their sociohistorical contexts.

German Courses

- 111 FIRST-YEAR
GERMAN (PART I)** US-1 4 F,S
*Not rec if student had 3 yrs high school German. Not
for cr if had GER 115 or 116.*

Pronunciation, essentials of grammar, reading materials of graded difficulty, oral and written exercises.

- 112 FIRST-YEAR
GERMAN (PART II)** US-1 4 F,S
*Not rec if student had 3 years high school German. Not
for cr if had GER 115 or 116.*

Continuation of Part I.

- 115 SECOND-YEAR
GERMAN (PART I)** US-1 4 F,S
GER 112 or 2 yrs high school German req.

Class reading of short stories, plays and essays. Grammar review, oral and written composition.

- 116 SECOND-YEAR
GERMAN (PART II)** US-1 4 F,S
GER 112 or 2 yrs high school German req.

Continuation of Part I.

- 211 INTRODUCTION TO
GERMAN LITERATURE** 3
GER 116 or equiv req.

Readings and analysis of selected short stories, poetry, and other literary forms as first general introduction to German literature.

- 213 INTERMEDIATE GERMAN
COMPOSITION** 3
GER 116 or cons dept chair req.

Study of written communication skills in German, vocabulary building, correct phrasing and style, writing strategies, use of dictionaries and reference materials.

- 214 GERMAN CONVERSATION
PRACTICE** 3
GER 116 or cons dept chair req.

Improvement of speaking skills, including active vocabulary, idiomatic phraseology, formal and informal discourse, listening comprehension.

- 216 GERMAN DRAMA** US-2 3
GER 116 or cons dept chair req.

Lectures, reading, and discussion of representative works of outstanding German, Austrian, and Swiss dramatists.

- 217 GERMAN CULTURE AND CIVILIZATION** 3
GER 116 or cons dept chair req.
 Overview of German culture from the beginning to World War I as derived from selected readings and class discussions.
- 218 GERMANY TODAY** 3
GER 116 or cons dept chair req.
 The German scene since World War I, as reflected in essays and articles of representative authors. Strongly recommended for teaching majors.
- 220 GERMAN CULTURE AND LANGUAGE IN THE WORLD OF BUSINESS** 3 S
GER 213 req. GER 214 and 218 rec.
 Introduces German business concepts and study of business terminology. Analysis of German business practices, customs and organization in terms of a broad cultural context.
- 222 SURVEY OF GERMAN LITERATURE** 3
GER 116 or cons dept chair req.
 Reading and discussion of representative works of the most important authors from the early 19th century to the present.
- 302 GOETHE** 3
2 courses beyond GER 116 req.
 Reading and discussion of a number of major works.
- 303 SCHILLER** 3
2 courses beyond GER 116 req.
 Reading and discussion of a number of major works.
- 309 INTRODUCTION TO GERMAN LINGUISTICS** 3 F or S
2 courses beyond GER 116 req. Formerly GERMAN PHONETICS.
 Principles and methods of systematic language analysis applied to German, including phonetics, morphology, syntax, semantics, and history of the language.
- 311 THE GERMAN NOVELLE** 3
Two 200-level German courses req.
 Study of selected Novellen from Goethe and the Romantics through Poetic Realism and Naturalism to the 20th century.
- 313 ADVANCED GERMAN COMPOSITION AND CONVERSATION** 3
GER 213 or cons dept chair req.
 Free discussion of topics of contemporary interest; oral and written themes based on class discussions.
- 318 GOETHE'S FAUST** 3
2 courses beyond GER 116 req.
 Critical study of Parts I and II of Faust. Lectures, readings, and reports.
- 332 GERMAN LYRIC POETRY** 3
2 courses beyond GER 116 or cons dept chair req.
 Reading and interpretation of German lyric poetry from 800 A.D. to the present.

- 385 SELECTED TOPICS IN GERMAN LITERATURE** 3
2 courses in German lit req. May be repeated if content different.

Intensive study of a theme, genre, group of authors, or a single major writer in German literature.

- 395 SENIOR SEMINAR** 3 S
Sr standing in the language maj req.
 Close reading and analysis of cultural documents and literary texts in their sociohistorical contexts.

Greek Courses

- 111 FIRST-YEAR CLASSICAL GREEK (PART I)** US-1 4
 The Greek alphabet, pronunciation, essentials of grammar, translation of reading material of graded difficulty, exercises in writing Classical Greek, consideration of the Greek element in English.

- 112 FIRST-YEAR CLASSICAL GREEK (PART II)** US-1 4
 Continuation of Part I.

Italian Courses

- 111 FIRST-YEAR ITALIAN (PART I)** US-1 4 F
 Pronunciation; essentials of grammar; exercises in comprehending, speaking, and reading material of graded difficulty.

- 112 FIRST-YEAR ITALIAN (PART II)** US-1 4 S
 Continuation of Part I.

- 115 SECOND-YEAR ITALIAN (PART I)** US-1 4 F
ITN 112 or cons dept chair req.
 Continued development of aural-oral skills, reading and writing in Italian.

Japanese Courses

- 111 FIRST-YEAR JAPANESE (PART I)** US-1 4 F
 Introductory Japanese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.

- 112 FIRST-YEAR JAPANESE (PART II)** US-1 4 S
JPN 111 req.
 Continuation of introductory Japanese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.

- 115 SECOND-YEAR JAPANESE (PART I)** 4
JPN 112 or cons dept chair req.
 Review of basic grammatical patterns, vocabulary building, development of reading and writing abilities.

132 Foreign Languages

- 116 SECOND-YEAR JAPANESE (PART II)** 4
JPN 115 or cons dept chair req.
 Continuation of Part I.
- 231 JAPANESE CONVERSATION AND COMPOSITION** 3 F
JPN 116 or cons dept chair req.
 Further development of written and oral skills through guided conversations and compositions on topics from contemporary Japanese civilization.
- 232 ADVANCED JAPANESE READING AND COMPOSITION** 3 S
JPN 231 or cons dept chair req.
 Development of reading fluency and writing proficiency in modern Japanese through study of unadapted texts, including selections from modern fiction.
- 285 SELECTED TOPICS IN JAPANESE CULTURE AND CIVILIZATION** 3 S
No Japanese req. Completion of 45 cr hrs or cons dept chair req. May be repeated if content different.
 Study of selected themes in Japanese culture as expressed in literature, film and the performing arts.

Latin Courses

- 111 FIRST-YEAR LATIN (PART I)** US-I 4
 Pronunciation; essentials of grammar; reading graded material; exercises in writing easy Latin; consideration of the Latin element in English.
- 112 FIRST-YEAR LATIN (PART II)** US-I 4
 Continuation of Part I.
- 115 SECOND-YEAR LATIN (PART I)** US-I 4
LAT 112 or high school Latin equiv or cons dept chair req.
 Review of Latin fundamentals. Practice in writing simple Latin. Reading beginning with graded Latin selections and progressing to selections from various authors.
- 116 SECOND-YEAR (LATIN PART II)** US-I 4
LAT 115 or 3 yrs high school Latin or cons dept chair req. Formerly VERGIL.
 Aeneid, Books I-VI: The purpose, sources, merits and fame of the Aeneid, and its references to other classic epics; poetical syntax, figures of speech, prosody, and mythology in the Aeneid.
- 221 SURVEY OF LATIN LITERATURE I** 3 F
LAT 116 or 4 yrs high school Latin or cons dept chair req.
 Reading and discussion of the most important Republican authors from Plautus to Catullus.
- 222 SURVEY OF LATIN LITERATURE II** 3 S
LAT 116 or 4 yrs high school Latin or cons dept chair req.
 Reading and discussion of the most important Imperial authors from Livy to Juvenal.

Russian Courses

- 110 RUSSIAN CIVILIZATION** US-2 3 S
No Russian req. Formerly SOVIET CIVILIZATION.
 Interdisciplinary introduction to contemporary Russian society.
- 111 FIRST-YEAR RUSSIAN (PART I)** US-I 4 F
 Fundamentals of Russian grammar. Emphasis placed on speaking and comprehension, with essentials of reading and writing.
- 112 FIRST-YEAR RUSSIAN (PART II)** US-I 4 S
 Continuation of Part I.
- 115 SECOND-YEAR RUSSIAN (PART I)** US-I 4 F
RUS 112 or equiv high school Russian req.
 Review of basic grammar and development of intermediate speaking and comprehension skills; emphasis on reading and discussion of original Russian texts.
- 116 SECOND-YEAR RUSSIAN (PART II)** US-I 4 S
 Continuation of Part I.
- 217 RUSSIAN CIVILIZATION** 3
RUS 116 req.
 Broad survey of historical and cultural developments of the Soviet Union from the time of Old Rus' to contemporary Moscow.
- 221 READINGS IN RUSSIAN LITERATURE** 3
RUS 116 req.
 Selected short fiction of representative 19th and 20th century Russian authors. Broad exposure to the literature and fundamentals of critical analysis and techniques of reading Russian prose.
- 231 RUSSIAN CONVERSATION AND COMPOSITION** 3
RUS 116 req.
 Written and oral composition; conversation designed to build vocabulary and improve pronunciation.
- 285 SELECTED TOPICS IN RUSSIAN LITERATURE** US-2 3
No Russian req. May be repeated if content different.
 Intensive study of a genre, group of authors or a single major writer in Russian literature. The field of study will vary each semester.

- 290 ADVANCED RUSSIAN SYNTAX** 3
One 200-level Russian course, jr/sr standing, cons inst req.
 Application of syntactic theories of Russian towards developing advanced skills in reading, directed composition, and translation.

Spanish Courses

- Native and near-native speakers of Spanish should normally begin with 232 or 235. Consult the Department for further information.
- 111 FIRST-YEAR SPANISH (PART I)** US-I 4 F,S
Not rec if student had 3 yrs high school Spanish. Not for cr if had SPA 115 or 116.
 Fundamentals of grammar. Practice in speaking, understanding, reading and writing Spanish.

112 FIRST-YEAR SPANISH (PART II) US-1 4 F,S
Not rec if student had 3 yrs high school Spanish. Not for cr if had SPA 115 or 116.
 Continuation of Part I.

115 SECOND-YEAR SPANISH (PART I) US-1 4 F,S
SPA 111 and 112 or equiv req.
 Review of Spanish grammar, vocabulary building, oral and written practice.

116 SECOND-YEAR SPANISH (PART II) US-4 4 F,S
SPA 115 or equiv req.
 Continuation of Part I. Emphasis on reading and discussion of Spanish short stories with continuing review of grammar.

211 INTRODUCTION TO HISPANIC LITERATURE 3
SPA 116 req.
 Reading and analysis of representative poems, plays and prose texts as first general introduction to Spanish and Spanish-American literature.

217 CIVILIZACION ESPANOLA 3
SPA 116 req.
 Spanish customs and institutions in their historical perspective.

218 CIVILIZACION HISPANOAMERICANA 3
SPA 116 req.
 Cultural life and customs of Spanish-speaking countries in the Americas.

221 SURVEY OF SPANISH LITERATURE I US-2 3
SPA 211 or cons inst req.
 Reading and discussion of representative writers of Medieval and Renaissance Spain.

222 SURVEY OF SPANISH LITERATURE II US-2 3
SPA 211 or cons inst req.
 Reading and discussion of representative Spanish writers of the 18th through the 20th centuries.

231 ADVANCED TECHNIQUES IN SPOKEN SPANISH 3
SPA 116 req. Not for cr if have ACTFL speaking score of Advanced.
 Study of oral communication skills in Spanish: conversation, formal reports, persuasion and argumentation, interviewing.

232 ADVANCED SPANISH COMPOSITION 3 F,S
SPA 116 req. Formerly ADVANCED GRAMMAR AND COMPOSITION.
 Study of advanced composition skills in Spanish, including formal and informal writing, use of dictionaries and reference materials, orthography, and vocabulary building.

235 ADVANCED SPANISH GRAMMAR 3 F,S
SPA 116 req.
 Detailed study of Spanish grammar emphasizing technical and stylistic aspects of native language patterns.

242 SURVEY OF SPANISH-AMERICAN LITERATURE US-2 3
SPA 211 or cons inst req.

Introduction to the works of Spanish-American authors with emphasis on the 19th and 20th centuries.

305 CURRENT TOPICS IN HISPANIC CIVILIZATION AND CULTURE 3
SPA 217 or 218 req. May be repeated if content different.
 Recent trends, issues and changes in Spanish-speaking world. Varying topics and pedagogical strategies for teaching culture.

309 INTRODUCTION TO SPANISH LINGUISTICS 3
SPA 235 or cons inst req.
 Principles and methods of objective language analysis applied to relevant issues in Spanish.

310 SPANISH SYNTAX 3
SPA 235 or cons inst req.
 Advanced study of contrasts in Spanish and English grammar with a focus on explaining the differences.

331 SPANISH-AMERICAN LITERATURE I 3
SPA 221 or 222 or 242 req.
 From the colonial period through realism.

336 SELECTED TOPICS IN SPANISH-AMERICAN LITERATURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.
 Variable topics providing in-depth study of major authors, works, genres, themes, or movements.

337 SELECTED TOPICS IN MODERN-PENINSULAR SPANISH LITERATURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.
 Major authors, genres, or movements from Spanish literature of the 18th, 19th, and 20th centuries.

338 SELECTED TOPICS IN MEDIEVAL-SPANISH LITERATURE AND CULTURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.
 Major authors, genres, or periods from Spanish literature of the Middle Ages in their cultural context.

339 SELECTED TOPICS IN SPANISH-GOLDEN AGE LITERATURE AND CULTURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.
 Major authors, works, genres, or movements from the Spanish Golden Age (1469-1700) in their historical/cultural context.

385 SELECTED TOPICS IN SPANISH LITERATURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.
 Intensive study of a genre, movement, author or work. This study varies each semester.

395 SENIOR SEMINAR 3 S
Sr standing in the language major req.
 Close reading and analysis of literary texts representative of the major genres and literary periods, in their sociohistorical contexts.

GEOGRAPHY-GEOLOGY (GEO)

206 Schroeder Hall, (309) 438-7649

Chairperson: Robert Corbett.

Tenured/Tenure-track Faculty:

Professors: Carter, Corbett, Kirchner, Sublett, Walters.
Associate Professors: Anderson, Aspbury, Johnson, Nelson.

Assistant Professors: Barrows, Boating, Day, Hammel, Malone, Zintambila.

General Department Information

MAJOR IN SOCIAL SCIENCES

The Major in Social Sciences is administered by the Department of History in cooperation with the Departments of Economics; Geography/Geology; Political Science; and Sociology-Anthropology. For further information see Social Sciences Programs.

HONORS IN GEOGRAPHY/GEOLOGY

The Department of Geography/Geology offers honors work to highly qualified students. Students interested in pursuing honors work may obtain further information by contacting the Department Chairperson.

Geography Programs

Degrees Offered: B.A., B.S.

MAJOR IN GEOGRAPHY

Programs must be planned in consultation with an advisor. Because of the variety of concentrations within the 3 Geography sequences, students are urged to consult with designated departmental faculty members. Names of designated faculty are available in SH 206.

Concentrations include:

Applied: cartography, planning, geographic information systems, remote sensing;

Human: cultural, historical, political, regional, urban, economic;

Physical: climatology, environmental, geomorphology.

- 42 hours required. MAT 120 is recommended for Geography majors. MAT 145 is strongly recommended for students planning to be cartographers. It is strongly recommended that all Geography majors complete a second writing course such as ENG 145 or ENG 249.
- Required courses: GEO 100, 135, 150, 204, 300, 315, 398 (4 hrs); one course from GEO 215, 220, 230, 240, 245, 250, or 255.
- One of the following sequences must be selected:

Applied Geography Sequence:

Required courses: GEO 303, 308, 310, and 370. Electives to complete the 42-hour requirement chosen from: GEO 145, 302, 304, 330, 333, 336, 351, 355; MAT 144, 145; and designated Selected Studies, Independent Studies, and Regional and Area Studies courses.

Human Geography Sequence:

Required courses: GEO 208, 336, 338, and a second regional course chosen so that the student has at least 1

course from GEO 215, 220, 240, and 245, and 1 course from GEO 230, 250 or 255; electives to complete the 42-hour requirement chosen from: GEO 145, 205, 210, 303, 304, 308, 310, 333, 345; and designated Selected Studies, Independent Studies, and Regional and Area Studies courses.

Physical Geography Sequence:

Required courses: GEO 101, 110, 200, 201, 205; electives to complete the 42-hour requirement chosen from: GEO 145, 302, 303, 305, 308, 310, 345, 380; AGR 234; BSC 201; CHE 280; ECO 355; GEL 276, 382; and designated Selected Studies, Independent Studies, and Regional and Area Studies courses. Since one focus of this sequence is resource conservation, a minor in Agriculture, Biology, Chemistry, Environmental Health, or Recreation and Park Administration is strongly recommended.

Teacher Certification Sequence:

- 40 hours required. Part of entitlement program leading to certification: secondary 6-12. Student's program must be planned in consultation with an advisor.
- Required courses: C&I 110; GEO 100, 101, 110, 135, 145, 150, 200, 201, 205, 275; 1 course selected from GEO 215, 220, 240, or 245 and 1 course selected from GEO 230, 250 or 255; and GEO 307.
- Selected additional electives in Geography to complete the 40-hour requirement of the major.
- **NOTE:** To qualify for certification, the student must complete the Professional Education requirements and the General Education requirements as described in the Teacher Education Requirements-High School section of this *Undergraduate Catalog*.
- **NOTE:** Students desiring Middle School or Junior High employment should also complete C&I 233 and PSY 302.
- **NOTE:** If a student chooses to focus on Physical Geography/Earth Science, he or she should also certify to teach Biology, Chemistry, Geology, Mathematics, or Physics. If a student chooses to focus on Human Regional Geography, he or she should also certify to teach Anthropology, Economics, History, Political Science, or Sociology.

MINOR IN GEOGRAPHY

- 24 hours in Geography required.
- Required courses: GEO 100, 135, 150, 204, and 1 course selected from GEO 215, 220, 225, 230, 240, 245, 250, or 255. 9 hours of electives must be selected from 1 of the following sequences: **Applied:** GEO 145, 300, 302, 303, 304, 305, 308, 310, 351, or 355. **Human:** GEO 145, 205, 208, 210, 300, 330, 333, 336, 338, or 370. **Physical:** GEO 101, 110, 145, 200, 201, 205, 345; GEL 276, 380, 382.
- **NOTE:** Students wishing to minor in Geography are requested to inform the Department of their intention and are invited to discuss their program with an advisor.

MINOR IN GEOGRAPHY

For Teacher Education:

- 24 hours required.
- Required courses: GEO 100, 110, 135, 145, 150, 200; GEO 307 or HIS 290.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Geology Programs

Degrees Offered: B.S.

MAJOR IN GEOLOGY

- 37 hours in Geology required.
- Required courses: GEO 105, 107, 109, 280, 285, 290, 295, and 395 or an equivalent accredited summer field course; MAT 144 or competence; PHY 108 and 109 (or 110 and 111); CHE 140 or equivalent, and 141.
- Strongly recommended: BSC 194; MAT 145, 146 (needed to enter graduate programs in Geology); GEO 385.

MINOR IN GEOLOGY

- 22 hours in Geology required.
- Required courses: GEO 105, 107, 109.
- **NOTE:** Students wishing to minor in Geology are requested to inform the Department of their intention and to discuss their program with a Geology advisor.

Geography Courses

100 EARTH SCIENCE US-3 3 F,S,Summer
A geographical perspective on the natural environment. Landforms, weather, climate, soils, vegetation.

**101 EARTH SCIENCE
LABORATORY** 1
GEO 100, or 105, or conc reg req.

Practical application of principles of earth science through laboratory experiences emphasizing meteorology, climatology, soils, vegetation, and landforms.

110 WEATHER US-3 3 F,S,Summer
An introduction to atmospheric science, leading to a better understanding of day-to-day weather and climate.

**135 WORLD
GEOGRAPHY** US-5 3 F,S,Summer
Regional studies of the peoples, languages, religions, economic activities and settlement patterns of the world.

145 MAPS AND MAP READING 3 F,S
Not for cr if completed GEO 204 or 300.

Fundamental map concepts: scale, coordinates, symbolization, relief, directions. Major map and graph types for visual-spatial analysis and interpretation. Map history.

**150 ECONOMIC
GEOGRAPHY** US-5 3 F,S
Spatial distribution of a variety of activities related to production, exchange, and consumption of goods and services.

200 CLIMATE: EARTH SCIENCE II 2 S
GEO 110 rec.

Climatic classification, sources of climatic data, world climatic patterns, and climatic effects on natural vegetation and human activities.

**201 PHYSICAL GEOGRAPHY:
EARTH SCIENCE III** 3
GEO 100 or 105 req. GEO 101 rec. Field trips req.

Spatial analysis of selected topics involving the natural environment. Topographic maps and aerial photography used extensively.

204 GEOGRAPHIC TECHNIQUES 3 F,S
GEO 100, 135, and 150 or conc reg req.

Introduction to geographic methodology and techniques with an emphasis on development of skills in analyzing geographical data.

**205 CONSERVATION OF
NATURAL RESOURCES** US-5 3 F,S
Completion of 45 sem hrs or equiv or cons inst req.

The human impact on the natural environment. Emphasizes soil, wildlife, forest, mineral and fuel, water and air conservation.

208 POLITICAL GEOGRAPHY 3 F
Completion of 45 sem hrs or equiv or cons inst req.

Introduction to the field of political geography. Emphasis on spatial patterns of political activity.

210 HISTORICAL GEOGRAPHY 2 S
Completion of 45 sem hrs or equiv or cons inst req.

Introduction to the field of historical geography with emphasis on analysis and reconstruction of past geographies.

215 UNITED STATES 3 F
Completion of 45 sem hrs or equiv or cons inst req.

Major regions of the United States in terms of contemporary physical, cultural, and natural resource patterns.

220 ILLINOIS 3
*Completion of 45 sem hrs or equiv or cons inst req.
Field trips may be included.*

Boundaries, physical setting, environment concerns, patterns of human occupation, regional characteristics.

230 LATIN AMERICA US-8 3 F,S

Completion of 45 sem hrs or equiv or cons inst req.
Regional analysis of the major political units; emphasis on physical, cultural, and economic characteristics.

240 EUROPE 3 F,S

Completion of 45 sem hrs or equiv or cons inst req.
Patterns of occupancy and development. Emphasis on the countries of the European Community.

245 FORMER SOVIET UNION 3

Completion of 45 sem hrs or equiv or cons inst req.
Physical resource patterns and their significance to industrial, agricultural land use, general economic, and political development.

250 AFRICA US-8 3 F,S,Summer

Completion of 45 sem hrs or equiv or cons inst req.
Regional study of Africa. Patterns of society as related to the natural environment.

255 ASIA US-8 3

Completion of 45 sem hrs or equiv or cons inst req.
Countries, regions, and peoples of Asia. Selected regions, specific localities, and special problems.

265 OUR NATIONAL PARKS 3

Completion of 45 sem hrs or equiv or cons inst req.
Field trips may be included.
National Parks of the United States in terms of physiography, geology, climate, flora, fauna, and scenic qualities.

300 CARTOGRAPHY 3 F

Jr/sr standing req. GEO 204 req. Field trip and drafting supplies req.
Theory and techniques regarding graphic representation of statistical data, including compilation, drafting, and reproduction of various types of thematic maps.

300.01 SOCIAL SCIENCE SEMINAR 3

Social Sciences maj. ECO 131 or GEO 204 or HIS 200 or 296 or POS 209 or SOA 271 req; completion of at least 1 course in 5 of the 7 program areas (American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History) req; completion of at least 12 hours of senior-level social sciences courses req. Also offered as ECO/HIS/POS/SOA 300.01.

An intensive examination of selected urban issues from an interdisciplinary social science perspective, culminating in a capstone student research project.

302 COMPUTER CARTOGRAPHY 3 F

GEO 204 and 300 or conc reg req; 3 hrs computer programming rec.
Application of the computer to contemporary cartography. Packaged software and student-generated programs are used to investigate various spatial problems.

303 GEOGRAPHIC INFORMATION SYSTEMS 3 S

GEO 204 or ACS 155.02 or 150 or conc reg req.
Fundamental principles of geographic information systems; emphasis on raster and vector based systems and their applications to spatial analysis.

304 GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS 3 F

GEO 303 req; MAT 120 rec.
Advanced applications in geographic information systems (GIS) with an emphasis on problem-solving, advanced GIS analysis techniques and a survey of raster and vector based GIS software and data bases.

305 REMOTE SENSING I 3

GEO 204 req. Field trip req.
Basic principles of image interpretation with photogrammetry. Techniques and measurements in remote sensing.

306 REGIONAL AND AREA STUDIES 1-9

Field work req. Cons inst req.
Intensive on-site study of particular lands, environments, cultures, and peoples.

307 TEACHING GEOGRAPHY/ EARTH SCIENCE 3 F

Teaching maj only. Adm to Teacher Ed req. C or better C&I 216 or PSY 215 or conc reg req. 8 hours of Geography or Geology req. Inc Clin Exp: 35 hrs, Type 1-6, 10.
Approaches to the teaching of geography and earth science in grades 6-12.

308 QUANTITATIVE METHODS IN GEOGRAPHY 3 F

GEO 204 req; MAT 120 or equiv rec.
Use and interpretation of basic statistical techniques in geographical problems.

310 FIELD GEOGRAPHY 3 F

GEO 204 req; 9 hrs Geography and field work req.
Techniques for the systematic acquisition and interpretation of geographic field data. Includes introduction to Orienteering.

315 SEMINAR IN GEOGRAPHY 2 S

Sr standing; 12 hrs Geography req.
Designed to acquaint the student with career opportunities in geography and the subfields of geography.

333 LOCATIONAL ANALYSIS 3 S

GEO 150 or jr/sr standing in Economics or College of Business req. MAT 120 or equiv rec.
Geographic location theory and spatial analysis applied to problems in retailing, wholesaling, and industrial activities.

336 URBAN GEOGRAPHY 3 F,S

Jr/sr standing req.
Internal morphology, external relationships, and other spatial aspects of cities.

338 LIFE AND LANDSCAPE 3

GEO 135 or cons inst req. Field work req.
Cultural landscapes and folklore in North America and Western Europe.

345 PROBLEMS IN CONSERVATION AND OUTDOOR RECREATION 3

GEO 205 req.
Specific problems in conservation and resource use including outdoor recreational resources.

351 CARTOGRAPHIC PROCESSES 3 S

Drafting supplies and A or B in GEO 300 req. Materials charge optional.
Techniques of design, production and reproduction of maps, including multi-separations, scribing, darkroom techniques and materials, and color proofing.

370 URBAN AND REGIONAL PLANNING 3 S
Jr/sr standing req.

Introduction to the planning process and the major elements used in plan implementation such as zoning regulations, subdivision regulations, and the official map. Field research may be required.

**398.01 PROFESSIONAL PRACTICE:
 INTERNSHIP
 IN GEOGRAPHY 1-16 Summer**
100 hrs; 2.2 GPA; Geography 315; and cons dept chair req. Max 4 hrs cr toward Geography maj; 40 hrs intern/cr hr. Advance arrangements req.

Planned, supervised professional experience in a public or private organization. The experience provides an introduction to a career in geography. May be paid.

Geology Courses

**105 INTRODUCTION TO
 GEOLOGY I US-3 3 F,S**

Origin and types of earth materials; internal and external earth processes and development of landscapes. Equivalent to physical geology.

**107 INTRODUCTION TO
 GEOLOGY II US-3 3 F,S**
GEO 105 or cons inst req. Field trip req.

Origin and evolution of the earth as interpreted from rock sequences, fossils, and geologic maps; emphasis on geologic principles.

**109 INTRODUCTORY GEOLOGY
 LABORATORY 2 F,S**
GEO 107 or conc reg req.

Mineral and rock identification, topographic maps and surface features, geologic maps, fossils, geologic interpretations, geologic provinces of North America.

**195 INTRODUCTION TO
 OCEANOGRAPHY US-3 3 S**
 General principles of biology, chemistry, geology, and physics as applied to a study of the world's oceans.

**275 LIFE OF THE
 GEOLOGIC PAST US-3 3 F,S**
*Completion of 45 sem hrs or equiv or cons inst req.
 Not for cr maj.*

Origin, classification and evolution of life from early forms to modern types as revealed by the fossil record.

276 ENVIRONMENTAL GEOLOGY 3 S
Completion of 45 sem hrs or equiv or cons inst req.

Recognition of geologic hazards such as earthquakes and floods. Evaluation of geologic resources and the legal and geologic limitation of resource utilization.

278 GEOLOGIC TECHNIQUES 3 F
GEO 105, 107, and 109 req.

Methods, materials, and equipment used in analysis, interpretation, and mapping of earth materials, physical environments, and geologic structures.

280 MINERALOGY 4 F
GEO 105, 109; CHE 140 req. Lecture and lab.

Crystallography, internal structure, chemistry, recognition and occurrence of minerals.

**285 IGNEOUS AND METAMORPHIC
 PETROLOGY 4 S**

GEO 280 req. Lecture and lab. Field trip req.

Description, classification, and origin of igneous and metamorphic rocks.

290 STRUCTURAL GEOLOGY 4 F
*GEO 107 and 109 req. MAT 144 rec. Lecture and lab.
 Field trip req.*

Mechanics and processes of deformation of the earth's crust and the resulting structures.

295 SEDIMENTOLOGY 3 F
GEO 107 and 109 req. Lecture and lab. Field trip req.

Origin, transportation, deposition, and diagenesis of sedimentary materials with emphasis on classification of sedimentary rocks.

296 STRATIGRAPHY 3 S
*GEO 107 and 109 req. GEO 295 rec. Lecture and lab.
 Field trip req.*

Distribution, correlation and analysis of stratified rocks.

**298.20 PROFESSIONAL PRACTICE:
 COOP/INTERN IN GEOLOGY I-4 F,S**

Max 4 hrs toward B.S. degree in Geology. Cons of inst req.

Planned, supervised, paid or unpaid professional practice in geology or geotechnical field with government or private organization.

360 GROUNDWATER GEOLOGY 3 F
GEO 105, 109; MAT 144 or equiv req. Field trips req.

Groundwater occurrence and movement, aquifer evaluation, field and lab measurements, contamination and other applications.

362 ENGINEERING GEOLOGY 3 S
*GEO 105 and 109 req. MAT 144; PHY 108 or equiv
 rec. Field trips req.*

Engineering applications of geology, construction problems of geologic origin and their engineering solutions.

364 GEOPHYSICS 3 S
*GEO 105, 285, and 290 req. MAT 145; PHY 108; or cons
 inst req.*

Principles of exploration geophysics and the techniques that are used to study subsurface environments. Subjects reviewed include: stress and strain, information theory, seismic, gravity, magnetics, electrical resistivity, electromagnetic conductivity, ground penetrating RADAR, and borehole logging.

**375 ECONOMIC GEOLOGY
 OF FOSSIL FUELS 3 F**
GEO 107 and 109 req.

Methods of exploration; origin, composition, accumulation, and production of petroleum; composition, classification, and production of coal; world fuel resources.

380 GEOMORPHOLOGY 3 S
GEO 100 or 105 req. Field trips req.

Origin, classification, description, and interpretation of landforms.

**382 GLACIAL AND QUATERNARY
 GEOLOGY 3 F**
GEO 100 or 105 req. Field trips req.

Development of glaciers, glacial movements, deposits, and landforms as background for discussion of present landscapes.

385 INVERTEBRATE PALEONTOLOGY 4 S
GEO 107 and 109 req. BSC 194 rec. Lecture and lab.
Field trip req.

Examination and analysis of major fossil invertebrate phyla; emphasis on groups with paleoecologic and stratigraphic significance.

390 OPTICAL MINERALOGY 4 S
GEO 280 req. Lecture and lab.

Optical theory and techniques in the use of petrographic microscope, optical identification and minerals using oil immersion and thin-section methods.

395 FIELD GEOLOGY 6 Summer
GEO 280, 285, 290, and 295 req.

Application of geologic principles to field mapping and interpretation in the Black Hills and Central Rocky Mountains.

HISTORY (HIS)

334 Schroeder Hall, (309) 438-5641

Chairperson: John Freed.

Tenured/Tenure-track Faculty:

Distinguished Professors: Freed, Wyman.

Professors: Beier, Cohen, Davis, Ekberg, Grabill, Holsinger, Holt, MacDonald, Rayfield, Sessions, Simms.

Associate Professors: McBride, Perez, Riney-Kehrberg, Tavakoli-Targhi.

Assistant Professors: Canizares, Doherty, Ferguson, Soderlund, Westbury.

General Department Information

MAJOR IN SOCIAL SCIENCES

The Department of History advises Social Sciences majors, provides Teacher Education specialists for those interested in that option, and sponsors club activities. For specific information about the programs see Social Sciences Programs.

HONORS IN HISTORY

The Department offers honors work in History to highly qualified juniors and seniors who will pursue an individualized program of study. The Honors Program enables the superior student to reinforce guided private study on historical topics of the student's own choosing with seminar-style research. Students interested in participating in the Departmental Honors Program may secure further information by contacting the Chairperson of the Department of History. The Department also offers in-course honors work in all its courses for students enrolled in the University Honors Program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor.

History Programs

Degrees Offered: B.A., B.S.

MAJOR IN HISTORY

Admission to the History Major may be restricted by the lack of available Department resources in times of oversubscription.

- 36 hours in History required.
- Required courses: HIS 200; an introduction to be taken by students who begin at Illinois State University no

later than the end of the sophomore year, by transfer students by the end of the junior year, and to be completed before taking HIS 300; a minimum of 24 hours at the upper-division level, including 3 courses at the 300-level, 1 of which will be a capstone course, HIS 300; 6 hours each in Methods and Topics, United States, European and non-Western History. The courses belonging to these categories are listed in Groups 1-4 following the Minor in History For Teacher Education.

Teacher Certification Sequence:

- 42 hours in History required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: HIS 200; a minimum of 24 hours at the upper-division level, including 3 courses at the 300-level, 1 of which will be a capstone course, HIS 300. Distribution requirements are 12 hours in Methods and Topics, including HIS 290 and 390; 9 hours of United States History, 6 hours of non-Western and 6 hours of European History. The courses belonging to these categories are listed in Groups 1-4 following the Minor in History for Teacher Education.
- 8 additional hours must be taken from 1 of the following areas: Economics, Geography, Political Science, Sociology.

MINOR IN HISTORY

- 21 hours in History required.
- Required courses: 12 hours at the upper-division level; 6 hours each in United States, European, and non-Western History (see listing under "Major in History" for non-Western courses).

MINOR IN HISTORY

For Teacher Education:

- Requirements are the same as for History Minor; HIS 290 recommended in addition to required courses.
- Requirements for Teacher Certification in another major field must be met.

History Courses by Group

Group 1: Methods and Topics: HIS 100, 200, 260, 268, 270, 274, 290, 292, 294, 296, 300, 330, 390, 392, 394, 395, 398.

Group 2: United States History: HIS 135, 136, 137, 241, 243, 244, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 273, 278, 279, 311, 315, 320, 321, 322, 323, 324, 325, 327, 329.

Group 3: Non-Western History: HIS 125, 126, 127, 128, 263, 265, 266, 269, 271, 272, 275, 276, 351, 373, 375, 378.

Group 4: European History: HIS 101, 102, 218, 220, 221, 222, 223, 224, 225, 228, 229, 230, 231, 232, 233, 234, 235, 237, 341, 342, 345, 355, 356, 360, 361, 362, 366.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

SUGGESTED CONCENTRATIONS

The Department has identified several possible areas of study within its general curriculum that are "related" or closely linked in theme, methodology, approach, and/or interpretive analysis. Although no specific courses are required for these concentrations, they may be useful in helping students plan their academic programs. Students may wish (but are not required) to take courses which the faculty recommends as a concentration. These specialized areas and the courses for each are listed below.

- **Ancient/Early-Modern:** 220, 221, 222, 223, 224, 225, 226, 227, 231, 233, 235, 241, 243, 265, 270, 271, 275, 276, 351, 355.
- **Cultural/Intellectual:** 224, 268, 269, 270, 271, 272, 323, 324, 341, 342, 355, 356, 389.
- **Modern:** 228, 229, 230, 234, 237, 244, 247, 248, 249, 251, 252, 260, 263, 266, 270, 272, 324, 342, 344, 345, 362, 366, 373, 375, 378.
- **Political/Institutional:** 226, 227, 228, 231, 243, 244, 246, 247, 251, 252, 253, 263, 278, 279, 320, 321, 325, 343, 344, 345, 361, 362.
- **Social/Economic:** 218, 250, 254, 255, 257, 258, 270, 273, 311, 315, 322, 327, 328, 329, 330.
- **NOTE:** Students are also encouraged to consider other courses which do not naturally fit into these suggested concentrations, such as HIS 280, 292, 296, 395, and 398, but are deemed to be integrated courses that contribute to the development of historians.

History Courses

The Department attempts to offer its courses in the semesters indicated below. But because of changing faculty availability, which cannot be foreseen before this *Undergraduate Catalog* is printed, the Department cannot guarantee that a given course will always be taught in a given semester or year. In planning their programs, students are therefore advised to consult departmental faculty and advisors concerning the availability of individual courses.

100 WORLD HISTORY 3 F,S
Overview of historical stages (ecological, agricultural, urban, global) among human communities throughout the world, from Stone to Computer Age.

101 WESTERN CIVILIZATION TO 1500 US-2 3 F,S
Western civilization from its beginnings in the ancient Near East until the Renaissance, emphasizing cultural and political history.

102 MODERN WESTERN CIVILIZATION US-2 3 F,S
Western civilization from the Renaissance to the present, emphasizing cultural and political history.

125 HISTORY OF EAST ASIAN CIVILIZATIONS US-8 3 F,S
Introduction to the major traditions of China and Japan; emphasis on continuity and change in modern Asia.

126 HISTORIES AND CULTURES OF THE MIDDLE EAST AND SOUTH ASIA US-8 3 F,S
Formerly HISTORIES AND CULTURES OF THE MIDDLE EAST.
Political, cultural, social, and economic study, with an emphasis on cultural history, ethnicity, gender relations, and the emergence of nation-states.

127 HISTORY OF LATIN AMERICA US-8 3 F,S
Cultural, economic, political, and social survey of Latin America from pre-Columbian to present times.

128 INTRODUCTION TO AFRICAN HISTORY US-8 3 F,S
Political, social, cultural and economic survey of Sub-Saharan civilization from pre-historic to modern times.

135 HISTORY OF THE UNITED STATES TO 1865 US-2 3 F,S
Political, economic, social, and cultural developments from the colonial period to the Civil War.

136 HISTORY OF THE UNITED STATES SINCE 1865 US-2 3 F,S
Agrarian and industrial revolutions, development of American institutions, and America as a world power.

137 THE AMERICAN EXPERIENCE US-2 3 F,S
A one-semester course in American History emphasizing a theme of special interest. The theme may vary with each semester or instructor.

200 DOING HISTORY: AN INTRODUCTION 3 F,S
History/Social Sciences maj only; 15 hrs college cr req.
An introduction to the discipline, including study of research and writing techniques, historical methods, and the nature and varieties of history. Required of History majors.

218 SOCIAL HISTORY OF MODERN EUROPE 3 F,S
European society since the French and Industrial Revolutions with reference to social order, class formation and social relationships under capitalism.

220 ANCIENT HISTORY: GREECE 3 F
HIS 101 or 102 or cons inst req.
Political and cultural evolution of the Greek World from pre-classical times to the Hellenistic Age.

- 221 ANCIENT HISTORY: ROME** 3 S
HIS 101 or 102 or cons inst req.
 The Roman republic and empire with emphasis on the constitutional evolution of Rome.
- 222 THE MIDDLE AGES: 395-1100** 3 F
HIS 101 or 102 or cons inst req.
 The disintegration of ancient civilization and the gradual emergence of three successor civilizations: Byzantium, the Muslim World, and Western Europe.
- 223 THE MIDDLE AGES: 1100-1500** 3 S
HIS 101 or 102 or cons inst req.
 The climax and decline of medieval civilization.
- 224 THE RENAISSANCE: EUROPE: 1300-1500** 3 F
 Political, economic, social, intellectual, cultural transition to early modern Europe; spread of Renaissance from origins in Italy; exploration and discovery.
- 225 THE REFORMATION: EUROPE: 1500-1600** 3 S
 Protestant and Catholic reformations in the setting of 16th-century politics, economics, society; intellectual and cultural currents; European expansion.
- 228 EUROPE IN THE NINETEENTH CENTURY: 1815-1914** US-2 3 F
 Liberalism, nationalism, democracy, militarism, imperialism, and the forces that led to World War I.
- 229 EUROPE IN THE TWENTIETH CENTURY** 3 F,S
 The origins of the World Wars, Marxism-Leninism, Nazi and Soviet totalitarianism, and the role of Europe in the Cold War.
- 230 THE CONTEMPORARY WORLD** 3 F
 Major economic, social, political, and cultural changes since 1945. The Cold War, the revolution in expectations, and the emerging concern over depletion of resources and environmental imbalances.
- 231 ENGLISH HISTORY TO 1688** 3 F
Formerly POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND TO 1688.
 History of medieval and Tudor-Stuart England to the Revolution of 1688.
- 232 ENGLISH HISTORY SINCE 1688** 3 F
 English history from the Glorious Revolution of 1688-89 to the present; political, social, and cultural history are emphasized.
- 233 MEDIEVAL RUSSIA** 3 F
Formerly HISTORY OF RUSSIA TO 1725.
 Examination of life in Kievan Rus and Muscovy stressing their cultural contributions to European civilization.
- 234 IMPERIAL RUSSIA** 3 S
Formerly HISTORY OF RUSSIA SINCE 1725.
 Analysis of the creation and maintenance of empire culminating in Russia's Golden and Silver Ages.
- 235 FRENCH HISTORY TO THE REVOLUTION** US-2 3 F
 French history from the Middle Ages to the French Revolution with emphasis upon French culture, including social, intellectual, and artistic movements.

- 237 MODERN GERMANY: 1848-PRESENT** 3 F
 Survey of German social, political, diplomatic, and intellectual history in the 19th and 20th centuries.
- 241 COLONIAL LIFE AND INSTITUTIONS** 3 F
 Transfer of European ideas, institutions, and customs to America, and their subsequent development on American soil.
- 243 THE EARLY NATIONAL PERIOD: 1787-1815** 3
 Emphasis upon the establishment of a national government; the principles and influence of early federalism and of Jeffersonian democracy.
- 244 THE AGE OF JACKSON: 1815-1848** 3
HIS 135, equiv, or cons inst req.
 The awakening of American nationalism as typified by the economic, political, social, and cultural changes of the Jacksonian period.
- 246 CIVIL WAR AND RECONSTRUCTION: 1848-1877** 3 S
HIS 135 or 136, equiv, or cons inst req.
 Causes and process of secession; problems of the Lincoln and Davis administrations, conduct of the war, and the problems of reconstruction.
- 247 THE GILDED AGE IN AMERICA: 1877-1900** 3 F
HIS 136 or 137 or cons inst req.
 Industrialization and responses to industrialism in America; special attention given to business and political leaders, farmers, African-Americans, and writers.
- 248 UNITED STATES IN THE TWENTIETH CENTURY TO 1945** 3 F,S
Formerly UNITED STATES IN THE TWENTIETH CENTURY TO 1933.
 Significant aspects of American history from the Populist era to the end of World War II.
- 249 UNITED STATES IN THE TWENTIETH CENTURY SINCE 1945** 3 F,S
Formerly UNITED STATES IN THE TWENTIETH CENTURY SINCE 1933.
 Significant aspects of American history from the 1945 to contemporary times.
- 250 HISTORY OF WOMEN IN AMERICA** US-2 3 F,S
Soph standing req.
 The role of women in the economic, social, political, and cultural history of America from the colonial period to the present.
- 251 HISTORY OF AMERICAN DIPLOMACY TO 1898** 3 F
 The history of the foreign relations of the United States from the American Revolution to 1898.
- 252 HISTORY OF AMERICAN DIPLOMACY SINCE 1898** 3 S
 The history of the foreign relations of the United States since 1898.
- 253 AMERICAN CONSTITUTIONAL HISTORY** 3 F
 The history of American constitutional and legal developments from the colonial period to the present.

254 THE AMERICAN WEST 3 S*HIS 135 or 136, equiv, or cons inst req.*

Development of the trans-Mississippi West, exploration to present. Emphasis upon land-human relationships and the roots of environmental concerns.

255 TRANS-APPALACHIAN FRONTIER 3 F*HIS 136 or 137 or cons inst req.*

The westward movement and its influence, including frontier culture and institutions, from the East Coast to the Mississippi Valley.

256 AMERICAN BUSINESS HISTORY 3 F*HIS 136, equiv, or cons inst req.*

Industrialization of America; the problems of agriculture, monopoly, and labor; the role of government in regulating and guiding economic activity.

257 AFRICAN-AMERICAN HISTORY TO 1865 3 F

The history of African Americans from Colonial times to the Civil War.

258 AFRICAN-AMERICAN HISTORY SINCE 1865 3 S

The history of African Americans from the Reconstruction period to the present.

259 HISTORY OF ILLINOIS 3 F*HIS 135 or 136 or cons inst req.*

A survey of the history of Illinois from the time of the French explorers to the present.

260 HISTORY OF CANADA 3 S

Survey of the history of Canada from the settlement of the French colonists in the 17th century to the present.

263 MODERN MEXICO US-8 3 F

Survey of Mexican history from the mid-18th century.

265 AFRICAN CIVILIZATION US-8 3 F

Political, social, cultural, and economic survey of Sub-Saharan African Civilization from about 1000 to about 1884 (the European expansion).

266 MODERN AFRICA US-8 3 S*HIS 128 or 265 or cons inst req.*

Political, social, cultural, and economic survey of Modern Africa from the beginnings of European expansion to the present.

268 PEACE HISTORY 3 F

A historical survey of peace reformers, ideas, organizations, institutions, and movements in the Western and non-Western world.

269 HISTORY OF JAPANESE RELIGIONS 3 F*HIS 125 rec.*

A study of the development of Japanese Religions from Pre-History to the present.

270 WORLD RELIGIONS/WORLD VIEWS 3

The great religions of the world, primarily Judaism, Hinduism, Buddhism, Christianity, and Islam; also includes Zoroastrianism, Confucianism, Taoism, Shintoism, primal religion, humanism, Marxism, and civil religion.

271 ISLAMIC CIVILIZATION US-8 3 F

Political, social, economic survey of the Middle East from Muhammad to the 19th century, emphasizing origins and achievements of the Islamic age.

272 MODERN MIDDLE EAST 3 S*HIS 126 or cons inst req.*

Political, social, and economic survey of the Middle East from the 19th century to the present, emphasizing the rise of the modern nation-states.

273 THE IMMIGRANT IN AMERICAN HISTORY 3

The changing role of immigration in American social, economic, and political history.

274 HISTORY OF MODERN MEDICINE 3

A survey of the rise of modern medicine from 1500 to the present.

275 HISTORY OF JAPANESE CIVILIZATION US-8 3*HIS 125 rec.*

Topical and chronological examination of Japanese religions, philosophies, art, music, literature, societal values and behavior to 1800.

276 HISTORY OF CHINESE CIVILIZATION 3*HIS 125 rec.*

Topical and chronological examination of Chinese religions, art, music, literature, societal values and behavior to 1911.

278 UNITED STATES MILITARY HISTORY 3 F*HIS 102 or 135 or 136 or cons inst req.*

U.S. military history in a global context from the colonial period to the present.

279 WORLD WAR II 3 S

General survey of World War II including military, diplomatic, and cultural concerns.

280 QUANTITATIVE REASONING IN HISTORY 3 S*History or Social Sciences maj or min only or cons inst req.*

Emphasis on question formulation, basic concepts of analysis, applications for historians.

290 HISTORY-SOCIAL SCIENCE TEACHING METHODOLOGY I 3

C or better in C&I 216 or conc reg req. Exceptions may be made by cons inst. Req for History/Social Sciences maj in Teacher Ed programs. Incl Clin Exp.

Special methods and pre-student teaching clinical experiences for History-Social Science Teacher Education students. Includes observation and participation in classroom settings. Must be completed prior to student teaching.

292 CAREERS FOR HISTORY AND SOCIAL SCIENCES MAJORS 1*Cons inst req.*

Acquaints students with career opportunities and relates History and Social Sciences skills learned to those needed in various career situations. Includes instruction in job placement skills.

294 HONORS THESIS 3 F,S*Honors students or cons inst req.*

Directed by a faculty member competent in the thesis field. The History Department shall approve the topic before registration.

- 296 HISTORIOGRAPHY AND HISTORICAL METHOD** 3 F
Cons inst req.
 Explores the character and discipline of history through the study of representative historians.
- 300 SENIOR SEMINAR IN HISTORY** 3 F,S
History/History Ed maj only.
 An advanced study of the methods, sources, and problems of the field of history, using a topical approach which varies from section to section.
- 300.01 SOCIAL SCIENCE SEMINAR** 3
Social Sciences maj. ECO 131 or GEO 204 or HIS 200 or 296 or POS 209 or SOA 271 req; completion of at least 1 course in 5 of the 7 program areas (American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History) req; completion of at least 12 hours of senior-level social sciences courses req. Also offered as ECO/GEO/POS/SOA 300.01.
 An intensive examination of selected urban issues from an interdisciplinary social science perspective, culminating in a capstone student research project.
- 306 REGIONAL AND AREA STUDIES** 1-9
Any 200-level History course or cons inst req. Materials charge optional.
 Intensive on-site study of particular lands, environments, cultures, and peoples.
- 311 AGE OF THE AMERICAN REVOLUTION** 3
 The emergence of the United States as an independent nation from 1763 to the Constitutional Convention in 1787.
- 315 SLAVERY AND THE OLD SOUTH** 3
HIS 135 or 257 or cons inst req.
 Historiography of slavery and the pre-Civil War South.
- 320 LINCOLN: THE MAN AND HIS TIMES** 3
Any 200-level American History course or cons inst req.
 Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationships with people and events of his time.
- 321 GREAT FIGURES OF AMERICAN HISTORY** 3
Any 200-level American History course or cons inst req.
 Personalities selected from American history with emphasis on the contributions and lasting influence of significant individuals.
- 322 AMERICAN URBAN HISTORY** 3
Two 200-level History courses or cons inst req.
 Survey of the history of the American city from 1820 to the present.
- 323 AMERICAN CULTURAL AND INTELLECTUAL HISTORY: 1620-1860** 3
HIS 135 or cons inst req.
 American progress in the fine arts, philosophy, literature, and science from Puritan times to 1860.
- 324 AMERICAN CULTURAL AND INTELLECTUAL HISTORY: 1860- PRESENT** 3
HIS 136 or cons inst req.
 The impact of naturalism, industrialization, secularization, and urbanization upon American culture since 1860.
- 325 PROBLEMS IN TWENTIETH-CENTURY UNITED STATES CONSTITUTIONAL HISTORY** 3
Any 200-level American History course or cons inst req.
 Major problems in American constitutional history since the Progressive Era; civil rights, freedom of speech and religion, federal-state relations.
- 327 AMERICAN LABOR HISTORY** 3
HIS 136 or 137 or cons inst req.
 The Industrial Revolution's impact upon workers with emphasis on the responses through unions and politics and on the role of government.
- 329 RURAL LIFE AND SOCIETY IN THE U.S.: 1800-PRESENT** 3 F
Any 100- or 200-level U.S. History course or cons inst req.
 Examines American rural society from 1800 to the present, with emphasis upon the impact of change upon farming communities.
- 330 THE FAMILY IN HISTORY** 3
Any 100- or 200-level History course or cons inst req.
 History of the family in Europe and America, viewing the changes from idealist, economic determinist, family systems, and psychoanalytic perspectives.
- 341 EUROPEAN INTELLECTUAL HISTORY TO 1600** 3
HIS 101 or 102 or cons inst req.
 The ideas of the ancient world, Middle Ages, Renaissance, Reformation, examined in a social, political and economic context.
- 342 EUROPEAN INTELLECTUAL HISTORY SINCE 1600** 3
HIS 101 or 102 or cons inst req.
 The ideas of the scientific revolution, enlightenment, 19th and 20th centuries, examined in a social, political and economic context.
- 345 FRENCH REVOLUTION AND NAPOLEON: 1789-1815** 3
Any 200-level European History course or cons inst req.
 Society, culture and government under the monarchy; destruction of the old order; rise and fall of Napoleonic France.
- 351 ANCIENT NEAR EAST** 3
Any 200- or 300-level non-U.S. History course or cons inst req.
 The civilizations of Mesopotamia and Egypt from the neolithic period to 500 B.C.
- 355 POPULAR CULTURE IN EARLY MODERN EUROPE** 3
 History of the culture of the common population of Europe 1400 to 1800: pre-conditions, formation, principal elements, decline of the culture.
- 356 THE ENLIGHTENMENT** 3
HIS 102 or cons inst req.
 Intellectual and social history of the Western world during the 18th century.
- 359 LATE MEDIEVAL AND TUDOR BRITAIN** 3
HIS 231 or cons inst req. Formerly 226.
 Political, social, cultural, and economic survey of British history from the 14th to the 17th century.

- 360 BRITAIN UNDER THE STUARTS** 3
HIS 231 or cons inst req. Formerly 227.
 Political, social, cultural, and economic survey of Britain under the Stuarts (1603-1714).
- 361 EIGHTEENTH-CENTURY BRITAIN: 1689-1815** 3
Any 200-level European History course or cons inst req.
 Britain from the Revolution of 1688-89 through the early Industrial Revolution and Napoleonic wars.
- 362 MODERN BRITAIN: 1815-PRESENT** 3
HIS 232 or cons inst req.
 A general survey of British history in the 19th and 20th centuries.
- 366 SOVIET RUSSIA** 3
Formerly TWENTIETH CENTURY RUSSIA.
 Study of communist revolution, culture, and dictatorship and its transformation into a contemporary European democracy.
- 373 HISTORY OF MODERN CHINA** 3
HIS 125 rec.
 Concentrates on the Western and Chinese collision since the 1800's and the responses of traditional, national, and contemporary China to modernization.
- 375 HISTORY OF MODERN JAPAN** 3
HIS 125 rec.
 Concentrates on Japan's modernization, goals of Meiji leaders, contradictory tendencies of pre-war Japan, and contemporary Japan.
- 378 ISLAM** 3
HIS 126 or cons inst req.
 In-depth study of Islam, focusing on ideas rather than events. Topics include law, mysticism, art, and resurgent Islam.
- 390 HISTORY-SOCIAL SCIENCE TEACHING METHODOLOGY II** 3
C or better in HIS 290 and C&I 216 or conc reg req. Incl Clin Exp. Adm to Teacher Ed req.
 History-Social Science materials, use of instructional models, and clinical experiences. Must be completed prior to student teaching.
- 392 INSTRUCTIONAL TECHNOLOGY FOR HISTORIANS** 3
12 hours of History or cons inst req.
 Use of computers for retrieval and analysis of historical evidence and for presentation of information and in instruction.
- 394 ORAL HISTORY** 3
HIS 135 or 136 or cons inst req.
 Study and use of oral history as a research tool, and its application as a research technique.
- 395 ARCHIVES AND MANUSCRIPTS** 3
Any 200-level History course or cons inst req.
 Nature, acquisition, processing and use of archives and manuscripts. Emphasis on theory and principles with practical exercises.
- 398 PROFESSIONAL PRACTICE: INTERNSHIP IN HISTORY** I-16 F,S
Any 200-level History course or cons inst req.
 Planned, supervised experience in a professional capacity in archives, business, government, historical archaeology, historical preservation, historical editing and publishing, historical societies, museums, or other application of history.

MATHEMATICS (MAT)

313 Stevenson Hall, (309) 438-8781

Chairperson: Lotus Hershberger.

Tenured/Tenure-track Faculty:

Distinguished Professors: Dosse, Thornton.

Professors: Berk, Eggleton, Friedberg, Insel, Jones, Otto, Plantholt, Sennott, Shilgalis, Spence, Swafford, Vanden Eynden.

Associate Professors: Edge, El-Zanati, Gamage, Hathway, Lubinski, Marsalli, Tipnis.

Assistant Professors: Day, Hershberger, Johnson, Langrall, Meier, Parr, Rich.

For current information on faculty interests and email addresses, Mathematics programs, and schedule of classes, visit our Internet Website: www.math.ilstu.edu.

General Department Information

Mathematics Requirements for Elementary and Middle School Education Majors:

Junior High/Middle School Mathematics Specialization (30 hrs) courses recommended: MAT 151, 202, 204, 207, 302, 307, 309, 312, 314, 315.

Grades 6-8 Mathematics Endorsement (18 hrs, 3 hrs of Grades 6-8 Mathematics methods and 15 hrs from 4 different Mathematics content areas. C&I 233 and PSY 302 are also required). Courses recommended: Methods: 302 and 15 hours from 4 of the following areas: General Content: 151, 152, 202, 309, 315; Calculus: 314; Modern Algebra or Number Theory: 207, 305, 307, 330; Geometry: 204, 304; Computer Science: 164, 166; Probability and Statistics: 312; History of Mathematics: 320. **NOTE:** The recommended courses in the Jr High/Middle School Mathematics Specialization will result in a Grades 6-8 mathematics endorsement.

Additional Study in Mathematics for Early Childhood and Elementary Education Majors (to satisfy State of Illinois General Education requirement of additional study in a discipline): 18 hours chosen from the following (9 hours of which must be at or above the 200-level): MAT 120, 121, 144, 145, 146, 147, 175, 204, 207, 210, 211, 236, 247, 260, 304, 305, 307, 309, 312, 314, 315, 320, 321, 330, 336, 337, 340, 341, 345, 347, 349, 350, 351, 353, 356, 360, 361, 362, 363, 368, 370, 378. (For a Grades 6-8 Mathematics Endorsement, see previous paragraph.) Courses recommended: MAT 204, 207, 307, 309, 312, 314, or 315.

HONORS IN MATHEMATICS

The Department offers an honors program for majors emphasizing a broad liberal arts program with requirements in Mathematics and University Studies. Students interested in participating in departmental honors programs may secure further information by contacting the Director of the Mathematics or the Mathematics Education Honors Program. The Department also offers in-course honors for students enrolled in the University Honors Program.

Cooperative Education/Internship in Mathematics:

The Department offers a Cooperative Education/Internship program for undergraduate Mathematics majors which provides for practical work experience in business, government, or industry. Students interested in participating in the

program may secure further information by contacting the Mathematics Cooperative Education/Internship Coordinator.

MINOR IN COGNITIVE SCIENCE

The Department of Mathematics participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under interdisciplinary Studies in this *Undergraduate Catalog*.

Mathematics Programs

Degrees Offered: B.A., B.S.

Career Information for Mathematics Majors and Minors:

Career needs in a wide variety of vocations are met by the diverse course offerings in the Mathematics Department. These include vocations in Secondary Teaching, Business Management, and Actuarial Science; vocations that involve research or applications of Mathematics in business, government, and industry; and vocations involving research or applications of Mathematics in the physical and social sciences. The needs of those preparing for continued study and research in Mathematics are met also by the departmental offerings. The undergraduate degree programs are designed to be sufficiently flexible to meet career aspirations, to allow for individual exploration in various areas of interest, and also to permit suitable breadth for a liberal education.

Students are urged to consult with the Mathematics Undergraduate Director or Mathematics faculty in planning their programs. Information on careers in Mathematics can be secured from the Mathematics Undergraduate Director in Stevenson 313G and from the Mathematics Career Center in Stevenson 330.

Students interested in meeting the requirements for certification to teach secondary school Mathematics must consult with a Mathematics Education advisor to design a special program of studies.

Students preparing for a specific career are advised to include courses from the appropriate list(s) that follow. The courses with an **asterisk** should be among those selected. Those wishing a major or minor in Mathematics should select additional courses from the list as well. (Note that some courses in the following lists may not count toward major or minor requirements.):

- **Business Management:** 166, 260, 337, 340, 350*, 351*, 353, 356, 361, 362*, 363, 370, 378.
- **Secondary Teaching:** 166, 210, 211*, 236*, 247, 260*, 320, 321, 323*, 324*, 326*, 330*, 336, 347, 350*, 362, 378.
- **Business, Government, and Industry:** 166, 260, 337, 340*, 341, 345, 350*, 351*, 353, 356*, 361, 362, 363, 370, 378.
- **Applications or Research in Physical Sciences:** 166, 236, 336, 337, 340*, 341*, 345*, 350, 370, 378.
- **Applications or Research in Social Sciences:** 166, 260, 337, 340, 350*, 351*, 356*, 361, 362, 363, 378.
- **Graduate Study and Research in Mathematics:** 166, 210, 236*, 247, 330, 336*, 337*, 340, 341, 345, 347*, 350, 351, 361, 370, 378.

Admission Requirements for Majors:

New freshmen with 4 years of high school Mathematics may declare a major in the Department of Mathematics. External or internal transfer students may be admitted into a major if the following requirements are met: (a) at least one semester of college calculus with a grade of "C" or better and (b) a Mathematics GPA of: 2.2 for less than 60 hours of college credit earned, 2.1 for 60 to 89 hours of credit, and 2.0 for 90 or more hours of credit.

Departmental requirements for admission to the University Teacher Education program include a minimum Mathematics GPA of 2.2, a cumulative GPA of 2.5 and a positive recommendation from the Teacher Education Committee.

The term "**Mathematics GPA**" used above and throughout this *Undergraduate Catalog* means a GPA computed using all college Mathematics courses that are eligible for credit toward the major.

The only Mathematics courses that are not eligible for credit toward the major are the following: MAT 105, 108, 119, 120, 121, 151, 152, 160, 201, 202, 204, 207, 298, 298.50, 302, 304, 305, 307, 309, 312, 314, 315, 385.

Graduation GPA Requirement for Majors:

The minimum graduation GPA is 2.0 for a Mathematics Major and 2.2 for a Mathematics Education Major. These grade point averages are computed using the following courses taken at Illinois State: the required English and computer programming courses and all Mathematics courses that are eligible for credit toward the major.

NOTE: Students who have taken calculus in high school may request to take a Calculus Proficiency Test. If proficiency credit is granted, students may begin their Mathematics courses with MAT 146 or a higher-level course.

To ensure proper placement, transfer students should consult with an advisor prior to registration for classes. A maximum of 4 hours credit may be given toward a major or minor for acceptable precalculus courses based upon advanced placement or transfer.

MAJOR IN MATHEMATICS

- A minimum of 42 hours in Mathematics required.
- Required courses: MAT 145, 146, 147, 175, 247, 260, 350; ENG 145 or 249 or equivalent.
- 1 computer programming course from MAT 164, 166; ACS 164, 165, 166, 168. **NOTE:** Hours taken in Applied Computer Science do not count toward the required 42 hours in Mathematics.
- At least 1 course chosen from MAT 236, 330, 337, 347, 363.
- 2 course-pairs from the following groups. These course-pairs must be selected from different groups:
Algebra group: (MAT 236, 336); (MAT 236, 337).
Analysis group: (MAT 247, 345); (MAT 247, 347); (MAT 340, 341).
Discrete group: (MAT 260, 361); (MAT 260, 362); (MAT 260, 363).
Statistics group: (MAT 350, 351); (MAT 350, 378).
- Submission of senior portfolio (see advisor).

Suggested Mathematics Schedules for Majors:

- Schedule (a) Students beginning with Precalculus
 Schedule (b) Students beginning with Calculus I
 Schedule (c) Accelerated schedule for honors students or those preparing for graduate school

Semester	(a)	(b)	(c)
1	144	145	145
2	145	146	146
3	146	147	147, 175
4	147, 175	175	247, 260
5	247, 260	247, 260	electives

Teacher Certification Sequence:

(This sequence of the major is part of the entitlement program leading to high school certification and/or high school and junior high school endorsement.)

- A minimum of 40 hours in Mathematics is required.
- Required courses: MAT 145, 146, 147, 175, 211, 236, 260, 323, 324, 350; ENG 145 or 249 or equivalent. **NOTE:** MAT 211 and C&I 216 or equivalent, and MAT 236 (or conc reg) are prerequisites for MAT 323. MAT 323 must be completed before the student teaching experience.
- 1 computer programming course from MAT 164, 166; ACS 164, 165, 166, 168. **NOTE:** Hours taken in Applied Computer Science do not count toward the required 40 hours in Mathematics.
- 1 additional course must be chosen: MAT 247 or one of those 300-level courses available for maj/min credit.
- Students are encouraged to take electives from the list of Secondary Teaching courses above.
- Interested students should consult their advisor about opportunities for tutoring secondary school students, serving as a teaching assistant, or other relevant voluntary Clinical Experiences.
- Professional Education Requirements: PSY 215; C&I 214, 215, 216; EAF 228 or 231 or 235; Student Teaching 399.
- Submission of senior portfolio (see advisor).

Suggested Mathematics Schedules for the Teacher Certification Sequence :

- Schedule (a) Students beginning with Precalculus
 Schedule (b) Students beginning with Calculus I
 Schedule (c) Accelerated schedule for honors students or those preparing for graduate school

Semester	(a)	(b)	(c)
1	144	145	145
2	145	146	146
3	146	147	147, 175
4	147, 175	175	211, 260
5	211, 260	211, 260	electives

Actuarial Science Sequence:

This sequence of the major is designed to prepare actuaries for work in the insurance industry or as consultants dealing with the risk of potential financial losses. Graduates of the program are prepared for an actuarial career in either the Life and Health field or the Property and Casualty field.

- Required courses: MAT 145, 146, 147, 175, 260, 280, 350, 351, 353, 362, 370, 380, 383; ACC 131; ECO 101, 102; FIL 208, 250; ENG 145 or 249.
- 1 computer programming course from MAT 166; ACS 165, 166, 168.
- Submission of senior portfolio (see actuarial advisor).
- Students are encouraged to take MAT 298, 385.01 and 385.02 (exam preparation courses), 386; ACC 132 and either ACC 166 or ACS 150; FIL 351, 352, 354 or 382 to complete an Insurance Minor.

Suggested Mathematics Schedules for Actuarial Science :

- Schedule (a) Students beginning with Precalculus
 Schedule (b) Students beginning with Calculus I
 Schedule (c) Accelerated schedule for honors students or those preparing for graduate school

Semester	(a)	(b)	(c)
1	144	145	145
2	145	146	146
3	146	147	147, 175
4	147, 175	175, 280	260, 280
5	260, 350	260, 350	350, 362

Actuarial Sequence required courses above provide the content for some professional exams conducted by the Society of Actuaries (SOA courses: 100, 110, 120, 135, 140) and the Casualty Actuarial Society (CAS parts: 1, 2, 3A, 3C, 4A). Mathematics Department courses correspond to the content of these actuarial professional exams as follows:

- SOA 100/CAS part 1: Calculus I-III, Linear Algebra
- SOA 110/CAS part 2: Mathematical Statistics I, II
- SOA 120/part 3A: The Analysis of Time Series
- SOA 130/—: Linear Programming, Topics in Actuarial Science
- SOA 135/CAS part 3C: Numerical Analysis
- SOA 140/—: Theory of Interest
- /CAS part 4A: Theory of Interest, Life Contingencies

MINOR IN MATHEMATICS

- A minimum of 24 hours in Mathematics required.
- Required courses: MAT 145, 146, 175, 147 or 260.
- At least 8 hours chosen from MAT 236, 247, 260, 330, 336, 337, 340, 341, 345, 347, 350, 351, 361, 362, 363, 370, 378.

MINOR IN MATHEMATICS**For Teacher Education:**

- Required courses: MAT 145, 146, 147, 175, 211, 236, and 323. **NOTE:** MAT 211 and C&I 216 or the equivalent, and MAT 236 (or concurrent registration) are prerequisites for MAT 323.
- Students should consult an advisor. One additional Mathematics elective is required to satisfy certification.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Mathematics Courses

- A year of high school geometry and a second year of high school algebra are highly recommended for anyone who wants to take Mathematics courses.
- Students may not enroll in a course which is prerequisite to a course that has been completed with a grade of "C" or better.

102 BASIC ALGEBRA 4 F,S

Does not count toward graduation. CR/NC only.

Introduction to the basic concepts of elementary algebra.

104 INTERMEDIATE ALGEBRA 3 F,S

Placement test or cr in MAT 102 req. Does not count toward graduation. CR/NC only. Not for cr if had MAT 107. Scientific calculator required. Meets 5 days a week.

Intermediate course between one year of high school algebra and college algebra.

105 ELEMENTARY APPLICATIONS OF MATHEMATICS US-4 3 F,S

1 yr high school algebra req. Not for cr maj/min or if had MAT 120. Not intended as preparation for any other Mathematics course. Scientific calculator req. Formerly APPLICATIONS OF ELEMENTARY MATHEMATICS.

Problems in physical, biological and social sciences, business, politics, games and other fields solved by algebra, geometry, linear programming, probability, etc.

108 TRIGONOMETRY 2 F,S

Placement test or C or better in MAT 119 req (MAT 107 past Undergraduate Catalogs). Not for cr maj/min or if had MAT 109. Graphing calculator req.

119 COLLEGE ALGEBRA 3 F,S

Placement test or cr in MAT 104 req. Not for cr maj/min or if had MAT 107. Graphing calculator req. Meets 5 days a week.

Functions, relations and inverses with emphasis on polynomial, rational, exponential and logarithmic functions. Algebra of polynomials. Solving quadratic, exponential and logarithmic equations. Solving quadratic, rational and absolute value inequalities.

120 FINITE MATHEMATICS US-4 4 F,S

Placement test or C or better in MAT 119 req (MAT 107 in past Undergraduate Catalogs). Not for cr maj/min. Graphing calculator req.

Linear functions, matrices, systems of linear equations, linear programming, probability, statistics, and difference equations with applications.

121 INTRODUCTION TO CALCULUS FOR BUSINESS AND SOCIAL SCIENCES US-4 4 F,S

C or better in MAT 120 and either placement test or C or better in MAT 119 req (MAT 107 in past Undergraduate Catalogs). Not for cr maj/min. Graphing calculator req.

Non-linear functions, intuitive differential and integral calculus, applications.

144 PRECALCULUS 4 F,S

Placement test or C or better in both MAT 108 and MAT 119 req (MAT 107 in past Undergraduate Catalogs). Graphing calculator req. Formerly MAT 110, COLLEGE ALGEBRA WITH TRIGONOMETRY.

Polynomial, absolute value, rational, exponential, logarithmic and trigonometric functions and their graphs. Properties of trigonometric and inverse trigonometric functions and their applications. Conics, translation and rotation of axes.

145 CALCULUS I US-4 4 F,S

Placement test or C or better in MAT 144 req (MAT 110 in past Undergraduate Catalogs). Graphing calculator req.

Polynomial, exponential, logarithmic and trigonometric functions. Differentiation with associated applications. Introduction to integration with applications.

146 CALCULUS II US-4 4 F,S

C or better in MAT 145 req. Graphing calculator req.

Techniques and applications of integration, L'Hopital's rule, improper integrals, applications, infinite series and Taylor's Theorem. Differential equations.

147 CALCULUS III 4 F,S

C or better in MAT 146 req. Graphing calculator req.

Polar coordinates and parametric equations in the plane with applications. Vector curves and surfaces in space. Partial derivatives, gradients, directional derivatives, and tangent planes. Multiple integration and line integrals.

151 STRUCTURE OF NUMBER SYSTEMS I US-4 3 F,S

Not for cr maj/min.

Properties of whole numbers and rational numbers, including the four basic operations. Elementary set theory, number theory, problem solving and use of calculators.

152 STRUCTURE OF NUMBER SYSTEMS II 3 F,S

C or better in MAT 151 req. Not for cr maj/min.

Continuation of MAT 151. Concepts and structure of real numbers. Probability, statistics, geometry, measurement, and algebra.

160 ELEMENTARY DISCRETE MATHEMATICS 4 F,S

Placement test, or C or better in MAT 120, or 144 (MAT 110 in past Undergraduate Catalogs). Not for cr maj/min.

Elementary introduction to discrete mathematics, comprising topics relevant to computer science. Logic, algorithms, recursion, enumeration, relations, graph theory (including trees).

- 166 SCIENTIFIC PASCAL** 3
C or better in MAT 144 (MAT 110 in past Undergraduate Catalogs) or equiv req. Not for cr Applied Computer Science maj/min. Also offered as ACS 166.
 Introduction to the Pascal programming language; emphasis on techniques for problem-solving, algorithmic development, program construction, and mathematical applications.
- 175 ELEMENTARY LINEAR ALGEBRA** 4 F,S
C or better in MAT 146 req; 147 rec. Calculator with matrix capability req. Formerly LINEAR ALGEBRA.
 Vector geometry, matrices, systems of linear equations, vector spaces, linear transformations, eigenvalues and eigenvectors, diagonalization, applications to the physical and social sciences.
- 201 TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL** 3 F,S
C or better in MAT 152 or 202 req. Completion of 90 hrs for Ed Ed maj or completion of 60 hrs for Specialized Educational Development maj req. Not for cr maj/min or if had C&I 252. May Incl Clin Exp.
 Background for meaningful teaching of whole numbers, fractions, and geometric concepts. Special emphasis on planning instruction for children at the K-6 level.
- 202 MATHEMATICS FOR THE MATH K-8 SPECIALIST** 3 F,S
C or better in MAT 151 req. 2.5 maj GPA req. Not for cr maj/min. Graphing calculator req.
 Background for teaching algebra topics in the junior high school curriculum.
- 204 GEOMETRY FOR K-8 TEACHERS** 3 F,S
C or better in MAT 202, or conc reg req. Not for cr maj/min. May Incl Clin Exp. Graphing calculator req. Formerly GEOMETRY FOR ELEMENTARY AND JUNIOR HIGH SCHOOL TEACHERS.
 Geometry relevant to grades K-8. Informal proof, congruence, parallelism, similarity, transformational geometry, and measurement.
- 207 FUNCTIONS AND TECHNOLOGY FOR K-8 TEACHERS** 3 F,S
C or better in MAT 202 req. Not for cr maj/min. Graphing calculator req.
 The study of families of functions from the perspective of multiple representations and applications using technology.
- 210 SYMBOLIC LOGIC I** US-4 3 F,S
1 yr each high school algebra and high school geometry req. Also offered as PHI 210.
 Introduction to proof theory. Formal deductive systems, especially propositional logic and predicate logic. Properties of deductive systems, such as consistency and completeness.
- 211 EUCLIDEAN AND NON-EUCLIDEAN GEOMETRY** 4 F,S
C or better in MAT 175 or conc reg req.
 Inductive and deductive study of Euclidean geometry; includes transformations, tessellations, polyhedra, classical theorems, introduction to non-Euclidean geometry.
- 236 ELEMENTARY ABSTRACT ALGEBRA** 4 F,S
C or better in MAT 175 req.
 Introduction to rings, integral domains, and fields including the ring of integers, the fields of real and complex numbers, quotient rings, polynomial rings, homomorphisms, and ideals.
- 247 ELEMENTARY REAL ANALYSIS** 3 F
C or better in MAT 147 and 175 req.
 Careful examination of the theory of calculus through the study of properties of the real line.
- 260 DISCRETE MATHEMATICS** 4 F,S
C or better in MAT 175 req. Not for cr if had MAT 363.
 Counting problems, generating functions, recurrence relations, inclusion-exclusion, graphs, matching and covering, pigeonhole principle, applications.
- 280 THEORY OF INTEREST** 4 S
C or better in MAT 146 req. Not for cr Math/Math Ed seq.
 Measurement of interest, annuities certain, yield rates, amortization schedules and sinking funds, bonds, installment loans, depreciation methods.
- 298 PROFESSIONAL PRACTICE: INTERNSHIP IN MATHEMATICS** 2-4 F,S,Summer
MAT 175 plus 2 approved courses in Mathematics beyond 175; 2.75 overall GPA and 3.0 dept GPA. May be repeated; max 8 hrs. No cr maj/min. Admissions approved by dept chair. CR/NC only.
 Practical experience through professionally-oriented work in business, government, or industry. One credit per month of full-time employment.
- 302 TEACHING MATHEMATICS IN GRADES 5-8** 3 F,S
C or better in MAT 202, 204, or 312 req. Not for cr maj/min. May Incl Clin Exp. Formerly METHODS OF TEACHING MATHEMATICS IN GRADES 5-8.
 Problems, viewpoints and trends in teaching middle school or junior high mathematics. Implications of research related to organization, content and techniques for teaching mathematics in grades 5-8.
- 304 TOPICS IN GEOMETRY AND MEASUREMENT FOR K-8 TEACHERS** 3
C or better in MAT 202 req. Not for cr maj/min. Graphing calculator req.
 Geometry and measurement topics related to the elementary and junior high school curricula.
- 305 TOPICS IN ALGEBRA AND COMBINATORICS FOR K-8 TEACHERS** 3
C or better in MAT 202 req. Not for cr maj/min. Graphing calculator req. Materials charge optional.
 Algebra and counting topics related to elementary and junior high school curriculum.
- 307 MODERN ALGEBRA FOR K-8 TEACHERS** 3 F,S
C or better in MAT 207 req. Not for cr maj/min. Materials charge optional. Formerly MAT 205.
 Algebraic concepts and structures relevant to grades K-8. Structure of familiar number systems compared to and contrasted with other mathematical systems.
- 309 PROBLEM-SOLVING IN GRADES K-8** 3 F,S
C or better in MAT 204 and 207 req. Not for cr maj/min. Graphing calculator req.
 Formulation, solution, and extension of problems from various areas of mathematics. Emphasis on inductive, deductive, and inferential reasoning and on solution processes and strategies.

- 312 PROBABILITY AND STATISTICS FOR K-8 TEACHERS** 3 F,S
C or better in MAT 204 or 207 req. Not for cr maj/min. May Incl Clin Exp. Graphing calculator req.
 Descriptive statistics, lines of best fit, basic concepts of probability, simulation, probability distributions, expectation and counting techniques.
- 314 CONCEPTS OF CALCULUS FOR K-8 TEACHERS** 3 S
C or better in MAT 309 or cons inst req. Not for cr maj/min. Graphing calculator req.
 Concepts of differential and integral calculus, including limits, sequences, and transcendental functions. Emphasis on the role of calculus in Mathematics and problem-solving.
- 315 MATHEMATICAL MODELING FOR MIDDLE SCHOOL TEACHERS** 3 F
C or better in MAT 309 and 312 req. Not for cr maj/min. Graphing calculator req.
 Mathematical modeling and problem solving with applications involving networks and communication systems, finance, locating positions on the surface of the earth, data systems, and biology.
- 320 HISTORY OF MATHEMATICS TO 1600** 2
MAT 145 rec.
 Emphasis on Greek geometry, and growth of algebra and algebraic notation from early Mesopotamia through Renaissance.
- 321 HISTORY OF MATHEMATICS 1600-PRESENT** 2
C or better in MAT 147 req.
 Development of modern Mathematics (analysis, algebra, geometry) and the people in the forefront, beginning with Descartes. Emphasis on the 19th century.
- 323 MATHEMATICS FOR THE SECONDARY SCHOOL** 3 F
C or better in MAT 211; C or better in MAT 236 or conc reg; C&I 216; and at least a 2.2 Mathematics GPA req. Graphing calculator req. Incl Clin Exp: 35 hrs, Type 1-5, 9. Adm to Teacher Ed req.
 The selection, placement and teaching of secondary mathematics topics. Analysis of recent trends and practices.
- 324 SEMINARS FOR STUDENT TEACHERS OF MATHEMATICS** 3 S
C or better in MAT 323 and conc reg or completion of student teaching in Mathematics req. Graphing calculator req. Incl Clin Exp: 25 hrs, Type 1-5, 9. Adm to Teacher Ed req.
 Examination of specific methods and materials for teaching algebra, geometry, and other secondary topics. Emphasis is on mainline core secondary mathematics topics and the professional aspects of mathematics teaching.
- 326 COMPUTER-EXTENDED MATHEMATICS FOR SECONDARY SCHOOLS** 3 F
C or better in MAT 175 req. Graphing calculator req.
 Integrating computers and calculators in the secondary Mathematics curriculum.
- 330 NUMBER THEORY** 3
C or better in MAT 175 req.
 Divisibility, primes, unique factorization, numerical functions, congruences, Diophantine equations, other topics.
- 336 ADVANCED ABSTRACT ALGEBRA** 3
C or better in MAT 175 req; MAT 236 rec. Formerly INTRODUCTION TO ABSTRACT ALGEBRA II.
 Introduction to groups, including permutation, symmetry and matrix groups, homomorphisms, normality, quotient groups, applications.
- 337 ADVANCED LINEAR ALGEBRA** 4 F
C or better in MAT 175 and sr standing req. Formerly LINEAR ALGEBRA.
 Abstract vector spaces, linear transformations and matrices, inner product spaces, eigenvalues and eigenvectors, diagonalization. Applications to geometry, the physical and social sciences.
- 340 DIFFERENTIAL EQUATIONS I** 3 F,S
C or better in MAT 147; MAT 175 or conc reg; and C, FORTRAN, Pascal, PL/I, or approved programming language req.
 First-order differential equations, linear differential equations, systems of differential equations, applications of differential equations, numerical solutions.
- 341 DIFFERENTIAL EQUATIONS II** 3 S
C or better in MAT 175 and 340 req.
 Power series solutions, Laplace transforms, Fourier series, boundary-value problems, introduction to partial differential equations (Laplace, heat, and wave equations).
- 345 ADVANCED CALCULUS** 4
C or better in MAT 147 and 175 req.
 Calculus of functions of several variables, Taylor's series of several variables, maxima and minima, Lagrange multipliers, inverse and implicit function theorems, multiple integration, line integrals, Green's, Stokes', and the divergence theorems.
- 347 ADVANCED REAL ANALYSIS** 4 S
C or better in MAT 336 or 337 or cons inst req. Formerly INTRODUCTION TO REAL ANALYSIS I.
 The real number system, topology of metric spaces, sequences, continuous functions, uniform convergence, differentiation, Taylor's Theorem, Riemann integration, the fundamental theorem of calculus, infinite series, power-series.
- 350 MATHEMATICAL STATISTICS I** 4 F,S
C or better in MAT 147 req.
 Sample spaces, probability, random variables, probability density functions, moment generating functions, empirical distributions, sampling distribution theory, confidence intervals, maximum likelihood estimation, applications.
- 351 MATHEMATICAL STATISTICS II** 4 F,S
C or better in MAT 147 and 350 req.
 Chi-square, F, t, and bivariate normal distributions, Central Limit Theorem, goodness-of-fit tests, correlation and regression, analysis of variance, randomized block designs, non-parametric methods.
- 353 THE ANALYSIS OF TIME SERIES** 4 F
ECO 331 or MAT 350 or cons inst req. Also offered as ECO 353.
 Theory and application of regression and time series methods with reference to business and economic time series. Topics include regression, exponential smoothing, and Box-Jenkins methods. A computer statistical package will be used.

- 356 STATISTICAL COMPUTING** 4
C or better in 2 stats courses; some facility with matrices req.

Application of SAS and SPSS programs to real data emphasizing regression, analysis of variance.

- 361 TOPICS IN DISCRETE MATHEMATICS** 2-4
MAT 175 and approved programming language req. Each topic may be taken once.

Study of selected areas of discrete mathematics. Consult the Class Registration Directory for the topics to be offered and the hours of credit to be earned during any given semester.

- 362 LINEAR PROGRAMMING** 2-4 F
C or better in MAT 175 and C, FORTRAN, Pascal, PL/I, or approved programming language req.

Modeling and solution of problems using the simplex method. Duality, sensitivity, integer programming. Transportation problems.

- 363 GRAPH THEORY** 2-4 F
C or better in MAT 175 or 260, and C, FORTRAN, Pascal, PL/I, or approved programming language req.

Introduction to graph theory, connectivity, matching, coloring, network flows with applications to communication reliability, scheduling, and traffic flow problems.

- 370 NUMERICAL ANALYSIS** 4 S
C or better in MAT 175 and C, FORTRAN, Pascal, PL/I, or approved programming language req.

Interpolation and approximation, error analysis, differentiation, integration, solutions of linear systems, root finding. Applications and computational techniques.

- 378 MATHEMATICAL MODELING** 4 F
C or better in MAT 175 and 350 req. MAT 340 rec.

Applications of mathematical modeling to fields including biology, economics, engineering, political science, psychology, and sociology. Project required.

- 380 INTRODUCTION TO LIFE CONTINGENCIES** 4 F
C or better in MAT 280 and 350 req.

Survival distributions, life tables; the mathematics of life insurance, life annuities, net premiums, and net premium reserves.

- 383 CREDIBILITY THEORY AND LOSS DISTRIBUTIONS** 3 S
C or better in MAT 351 req.

Bayesian estimation and credibility theory, application of statistical theory to the development and estimation of loss distributions.

- 385 ACTUARIAL EXAM PREPARATION** 1 F,S

Cons inst req. Each topic may be taken once. Not for cr maj/min. MAT 385.01 not for cr if had MAT 147. MAT 385.02 not for cr if had MAT 350.

Problem-solving sessions to aid in preparation for examinations given by the Society of Actuaries. Topic 385.01 Course 100 Preparation; topic 385.02 Course 110 Preparation. Consult the *Class Registration Directory* for the topics to be offered during any given semester.

- 386 TOPICS IN ACTUARIAL SCIENCE** 2
C or better in MAT 175 and 350 req.

Topics in operations research and numerical methods for the Society of Actuaries Course Examinations.

- 390 INDEPENDENT STUDY** 1-3 F,S



PHILOSOPHY (PHI)

412 Stevenson Hall, (309) 438-7665

Chairperson: Julie Gowen.

Tenured/Tenure-track Faculty:

Professors: Deutsch, Gorr, Gowen, Machina, Rosenbaum, Siderits, Simon.

Associate Professors: Stillwell, Anderson.

Assistant Professors: Bailey, Horvath.

General Department Information

The Major in Philosophy is designed to provide a liberal arts core around which a student may build a program of courses to suit a wide variety of purposes. The Department encourages its students to work with a departmental advisor in selecting a minor, a second major, or a set of connected courses in various fields which will best combine with philosophical study to produce a program meeting their needs. To aid in this process, the Department has designed a number of specific four-year curricula which will prepare students for management positions in business and industry, or policy making positions in government, as well as for entry into law school, medical school, dental school, and seminaries. The Major in Philosophy may also be used as part of the preparation for graduate school in various fields, such as Business Administration, Computer Science, Psychology, and Philosophy.

MINOR IN COGNITIVE SCIENCE

The Department of Philosophy participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

Philosophy Programs

Degrees Offered: B.A., B.S.

MAJOR IN PHILOSOPHY, B.A.

- 27 hours in Philosophy.
- Required Philosophy courses by area; **Logic:** PHI 110 or 210; **History of Philosophy:** PHI 254 and 255; **Ethics:** PHI 232; **Epistemology and Metaphysics:** PHI 361 and 362.
- At least 6 additional hours at the senior college level with at least 3 of these hours at the 300-level.

MAJOR IN PHILOSOPHY, B.S.

- 27 hours in Philosophy.
- Required Philosophy courses by area; **Logic:** PHI 210; **History of Philosophy:** PHI 254 and 255; **Ethics:** PHI 232; **Philosophy of Science:** PHI 250, or **Philosophy and the Behavioral Sciences:** PHI 253; **Epistemology and Metaphysics:** PHI 361 and 362.
- At least 6 additional hours at the senior college level with at least 3 of these hours at the 300-level.
- All students earning a B.S. degree in Philosophy must complete the following science literacy courses: Fundamental Concepts of Physics, PHY 189.11 and Fundamental Concepts of Biology, BSC 189.11; or a minimum of 9 hours in one natural science.
- **NOTE:** Each major works out a coherent program of supporting courses tailored to the student's needs in consultation with a faculty advisor.

MINOR IN PHILOSOPHY

- 18 hours in Philosophy required.
- Required Philosophy courses by area: **Logic:** PHI 110 or 210; **History of Philosophy:** PHI 254 and 255; at least 9 additional hours in Philosophy.
- Not more than two 100-level courses may count toward the minor.

MINOR IN PHILOSOPHY

For Teacher Education:

- 21 hours in Philosophy required.
- Required Philosophy courses by area: **Logic:** PHI 110 or 210; **History of Philosophy:** PHI 254 and 255; **Ethics:** PHI 232 or 240 or 242; **Epistemology or Metaphysics:** PHI 361 or 362; at least 6 additional hours in Philosophy with at least one 200- or 300-level course.

MINOR IN RELIGIOUS STUDIES

- 21 hours required, distributed as follows:
- 6 hours from Group A courses listed below, not including SOA 281. Courses must be from 2 different departments.
- 9 hours chosen from 3 of the Groups B, C, D, and E listed below. Courses must come from exactly 3 different Groups. Courses listed as "Related courses" may not be used to satisfy this requirement.
- 6 additional hours from any of the Groups used to satisfy the above requirements; 3 of these hours may be chosen from the courses listed as "Related courses" for those Groups.

Students are advised to complete several courses from Groups B through E prior to enrolling in the courses of Group A, except that this advice does not apply to HIS 270. Courses listed as "Related courses" in the following Groups may be of interest to students even though at most one of these may be used to complete the requirements for the minor.

Group A

HIS 270	World Religions/World Views
PHI 120	Philosophy of Religion
PHI 220	Religion, Reason, and Faith
SOA 268	Sociology of Religion
SOA 279	Magic, Witchcraft, and Religion

Related course:

ANT 281	Principles of Ethnology
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Group B

ENG 106	Introduction to Literature—Literary Themes and Topics (<i>May be used only when the theme is approved by Religious Studies advisor.</i>)
ENG 250	Literature of the Bible I
ENG 251	Literature of the Bible II
ENG 352	Selected Figures in World Literature (<i>May be used only when the topic is approved by Religious Studies advisor.</i>)
IDS 301	Judaism: History and Culture
PHI 222	Philosophy and Christian Theology

Related courses:

HIS 223	The Middle Ages: 1100-1500
HIS 225	The Reformation: Europe: 1500-1600
HIS 351	Ancient Near East
ART 369	History of Medieval Art and Architecture

Group C

HIS 271	Islamic Civilization
HIS 378	Islam

Related courses:

ART 366	Art of the Ancient Near East
HIS 126	Histories and Cultures of the Middle East and South Asia
HIS 351	Ancient Near East

Group D

HIS 269	History of Japanese Religions
PHI 207	Indian Philosophy
PHI 208	Buddhist Philosophy

Related courses:

ART 120	Oriental Art
HIS 125	History of East Asian Civilizations
HIS 275	History of Japanese Civilization
HIS 276	History of Chinese Civilization

Group E

FOR 105	Classical Mythology or
FOR 205	Interpretations of Classical Mythology (<i>Only 1 of these may be used for the minor.</i>)

Related courses:

ART 367	Greek Art
ART 368	Roman Art and Architecture
HIS 220	Ancient History: Greece
HIS 221	Ancient History: Rome
HIS 351	Ancient Near East
SOA 284	Anthropology of Native American Art

NOTE: Students wishing to minor in Philosophy are requested to inform the Department of their intention and are invited to discuss their program with an advisor in the Department of Philosophy.

Philosophy Courses

Freshmen wishing to select a Philosophy course normally should enroll in a 100-level course. Courses at the 300-level presuppose at least the level of sophistication that the successful completion of one or more lower-level courses in Philosophy would demonstrate.

101 BASIC ISSUES IN

PHILOSOPHY US-2 3 F,S

An introduction to central philosophical issues, e.g., knowledge, reality, freedom, God, and morality.

110 THINKING LOGICALLY US-4 3 F,S

Not for cr if had MAT/PHI 210.

Principles and techniques of correct reasoning and logical thinking.

120 PHILOSOPHY OF

RELIGION US-2 3 F,S

Evaluation of the evidence for certain basic religious beliefs concerning the existence of God, the occurrence of miracles, evil, religious experience, faith, and other related topics.

138 MORAL AND SOCIAL

VALUES US-2 3 F,S

Current social issues—e.g., abortion and capital punishment—in light of differing views concerning moral and social principles.

203 EXISTENTIALISM 3 S

Existentialist themes—such as absurdity, authenticity, freedom, meaninglessness, alienation, and subjectivity—and their relevance to 20th-century society.

207 INDIAN PHILOSOPHY US-8 3 F

Major Indian philosophical issues and theories and their contribution to Indian religion and culture; Hindu systems and the early Buddhist challenge.

208 BUDDHIST PHILOSOPHY US-8 3 S

Origins and development of Buddhist philosophy; East Asian transformation (including Zen).

210 SYMBOLIC LOGIC I US-4 3 F

1 yr each high school algebra and high school geometry. Also offered as MAT 210.

Introduction to proof theory. Formal deductive systems, especially propositional logic and predicate logic. Properties of deductive systems, such as consistency and completeness.

220 RELIGION, REASON AND FAITH 3 S

The respective roles of reason and faith in religious belief systems. How do we decide which religion—if any—to accept?

222 PHILOSOPHY AND CHRISTIAN THEOLOGY 3 S

Philosophical examination of selected central ideas in Christianity, such as the incarnation, the trinity, sin, salvation, and ethics. Standard philosophical methodologies will be employed.

232 ETHICS US-2 3 F,S

C or better in 1 Philosophy course or 2.5 overall GPA rec.

Examination of major thinkers. Discussion of problems concerning value, obligation, virtue, moral justification and moral standards.

234 BUSINESS ETHICS US-7 3 F,S

A philosophical examination of selected ethical issues in business practice including discussions of case material, such as personnel management, advertising, labor-management relations, and corporate responsibility.

236 VALUES AND THE ENVIRONMENT 3 S

Philosophical examination of selected moral and social issues involving humans, nonhumans, and the environment, e.g., animal rights, resource distribution, environmental racism.

240 POLITICAL PHILOSOPHY US-2 3 F

C or better in 1 Philosophy course or 2.5 overall GPA rec.

Discussion of traditional and contemporary issues, e.g., human rights, theories of justice, Marxism, civil disobedience, punishment, and the end and limit of government.

242 PHILOSOPHY OF LAW 3 F or S

1 Philosophy course or a law-related course rec.

Evaluation of conflicting views concerning the nature of law, legal obligation, legal rights, and the justification of punishment.

244 GENDER AND MILITARISM 3 F or S

Jr/sr standing or cons inst.

Topical introduction to contemporary feminist/women's responses to militarism and war, focusing on the links between masculinity/femininity and the global military-industrial complex.

246 FEMINIST POLITICAL PHILOSOPHY 3 F,S

Examination of feminist political theories addressing the oppression of women. Critical scrutiny of philosophical foundations of feminism.

248 MODERN WAR AND MORALITY 3 F
Intensive examination of moral problems concerning war, e.g., pacifism, self-defense, conscription, terrorism, nuclear deterrence.

250 PHILOSOPHY OF SCIENCE 3 S
The nature of scientific theories, methods, reasoning, hypotheses, laws, and explanations.

253 PHILOSOPHY AND THE BEHAVIORAL SCIENCES 3 S
Philosophical issues raised by and relevant to the scientific study of human behavior.

254 ANCIENT AND MEDIEVAL PHILOSOPHY US-2 3 F
C or better in 1 Philosophy course or 2.5 overall GPA rec.

Classic Western philosophical ideas from the earliest times to the 15th century. The pre-Socratics, Socrates, Plato, Aristotle, Augustine, Aquinas, and others.

255 MODERN PHILOSOPHY US-2 3 S
C or better in 1 Philosophy course or 2.5 overall GPA rec.

Classic western philosophical ideas of the 17th and 18th centuries. Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

262 DEATH AND DYING 3 F or S
Jr/sr standing or cons inst.

Metaphysical and moral issues related to death and dying: afterlife, death and the meaning of life, death anxiety, euthanasia, suicide, the death penalty.

298 PROFESSIONAL PRACTICE: INTERNSHIP IN APPLIED PHILOSOPHY 1-12 F,S
3 Philosophy courses req, including at least 1 at the 200- or 300-level. 2.5 GPA in Philosophy courses req. Complete dept application procedure. Max 3 hrs toward Philosophy maj/min. Cons dept chair.

Planned, supervised experience in a governmental or community organization providing experience in applying philosophical theory to current social or scientific problems.

305 TWENTIETH-CENTURY PHILOSOPHY 3 F
1 Philosophy course req.

Major philosophical movements of the 20th century, focusing on representative figures.

330 MORAL THEORY 3 S
2 Philosophy courses req, of which 1 must be PHI 232.
Examination of meaning and justification of value judgments. Problems concerning moral objectivity, the fact-value gap, the possibility of moral knowledge.

339 TOPICS IN THE PHILOSOPHY OF ART 3 F or S
PHI 239 or 2 Philosophy courses req, including at least one 200-level or higher. Grad students may enroll without previous Philosophy courses. May be repeated. Formerly TOPICS IN AESTHETICS.

Philosophical questions about visual, musical, literary and theatre arts. Problems concerning expression, aesthetic experience, representation, the nature of art, and the possibility of objective evaluation of art works.

340 TOPICS IN POLITICAL PHILOSOPHY 3 S
2 Philosophy courses req, of which 1 must be PHI 232 or PHI 240. Grad students may enroll without previous Philosophy courses.

Intensive examination of selected topics in political philosophy, such as liberty, justice, equality, rights, community, democracy, and political obligation.

350 TOPICS IN THE HISTORY OF PHILOSOPHY 3 F or S
PHI 254 or 255 req. May be repeated.

Intensive examination of an important figure, movement, or theme in the history of philosophy e.g. Plato, British Empiricism, freewill/determinism.

361 THEORY OF KNOWLEDGE 3 F
2 Philosophy courses req, of which 1 must be PHI 255.

Classic and contemporary theories of knowledge. Problems of meaning, truth, certainty, *a priori* knowledge, induction, perception, belief, and evidence.

362 METAPHYSICS 3 S
2 Philosophy courses req, of which 1 must be PHI 254 or 255.

Classic and contemporary metaphysical theories. Problems of substance, change, universals, time, space, mechanism, teleology, and freedom.

390 INDEPENDENT STUDY 1-3
1 Philosophy course req; cons inst and dept chair req.

PHYSICS (PHY)

311 Moulton Hall, (309) 438-8756

Chairperson: George Skadron.

Tenured/Tenure-track Faculty:

Professors: Martin, Schroeder, Skadron, Young.

Associate Professors: Clark, Hassani, Karim.

Assistant Professors: Grobe, Holland, Matsuoka, Ren, Rutherford, Su.

General Department Information

The Physics Major sequences at Illinois State University are sufficiently flexible to serve the needs of students with any of the following goals: (1) government or industrial research and development, (2) graduate study in Physics, (3) graduate study in an allied field such as Engineering, (4) entrance to medical or dental school, or (5) high-school Physics teaching.

Physics Programs

Degrees Offered: B.S.

MAJOR IN PHYSICS

Physics Sequence:

— 44 hours in Physics required.

— Required courses: PHY 107, 110, 111, 112, 217, 220, 240, 270 (3 hrs), 284, 325, 340, 384; 6 additional hours of 300-level Physics courses; CHE 140 and 141 (or CHE 150) are also required for the major.

Affiliated Engineering Program with University of Illinois:

- 44 hours of Physics required.
- Required courses: PHY 107, 110, 111, 112, 217, 220, 240, 270 (1 hr), 284; 17 additional hours of approved; courses transferred from the University of Illinois; CHE 140 and 141 (or CHE 150) are also required.

Teacher Certification Sequence:

- 34 hours in Physics required. Part of entitlement program leading to certification at the secondary level.
- Required courses: PHY 101, 110, 111, 112, 217, 220, 240, 270 (2 hrs), 301 (4 hrs), 302; electives must be chosen from 200-level or above Physics courses; CHE 140 and 141 (or CHE 150) are also required for this major.
- Requirements for a second teaching field must be satisfied at the same academic performance level required for the major.

MINOR IN PHYSICS

- 23 hours in Physics required.
- Required courses: PHY 110, 111, 112, 11 additional hours of electives from 200- or 300-level Physics courses.

MINOR IN PHYSICS**For Teacher Education:**

- 26 hours in Physics required.
- Required courses: PHY 110, 111, 112, 270 (1 hr), 301 (3 hrs).

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Physics Courses

100 ENERGY AND ENVIRONMENT US-3 3 F,S
Intended for students not maj or min in the physical sciences.

Scientific and technological aspects of energy and related environmental issues; fossil fuels, solar and nuclear energy. Lectures, demonstrations, and some simple quantitative examples.

101 EXPLORING THE UNIVERSE US-3 3 F,S
Introduction to the past, present, and the future of our universe. Topics are selected from celestial motions, the solar system, stellar evolution, extragalactic astronomy, Big Bang, history of astronomy, and scientific process.

105 FUNDAMENTALS OF PHYSICS US-3 4 F,S
Not for cr if had PHY 108, 110 or equiv. Lecture and lab. Intended for students not maj or min in the physical sciences.

Concepts and principles of mechanics, heat, wave motion, electricity, magnetism, and light. Applications to everyday life.

106 CONCEPTS IN CONTEMPORARY PHYSICS US-3 3 F,S
Intended for students not maj or min in the physical sciences. Materials charge optional. Formerly FROM QUARKS TO QUASARS.

Non-mathematical discussion of significant discoveries of twentieth century physics including relativity and curved space-time, quantum theory and wave-particle duality, fundamental particles and their interactions, cosmology and the Big Bang theory.

107 FRONTIERS OF PHYSICS 2 F
Designed for students entering pre-engineering or physics. MAT 144 or conc reg. Materials charge optional.

An introduction to selected contemporary topics in pure and applied physics.

108 COLLEGE PHYSICS I 5 US-3 F,S
2 years of high school algebra or equiv req. Not for cr if had PHY 110 or equiv. Lecture and lab. First sem of a 2-sem seq.

Basic principles of mechanics, wave motion, sound, and heat. Lectures, demonstrations, discussions, laboratory exercises, problems using algebra.

109 COLLEGE PHYSICS II US-3 5 F,S
PHY 108 or 110 req. Not for cr if had PHY 111 or equiv. Lecture and lab. Continuation of PHY 108.

Electrostatics, electrical currents, magnetism, light and optical instruments, quantum, atomic, and nuclear physics, special relativity.

110 PHYSICS FOR SCIENCE AND ENGINEERING I US-3 4 F,S
MAT 145 req. Not for cr if had PHY 108 or equiv. Lecture and recitation. Lab (every other week). Materials charge optional.

Basic principles of mechanics, wave motion, and heat.

111 PHYSICS FOR SCIENCE AND ENGINEERING II US-3 4 F,S
PHY 110 and MAT 146 or conc reg req. Not for cr if had PHY 109 or equiv. Lecture and recitation. Lab (every other week). Continuation of PHY 110. Materials charge optional.

Thermodynamics, electrostatics, electrical currents and circuits, magnetism, Faraday's Law.

- 112 PHYSICS FOR SCIENCE AND ENGINEERING III** 4 F,S
PHY 111; MAT 147 or conc reg req. PHY 107 or a programming language req. Lecture and lab. Materials charge optional.

Electromagnetic waves, optics, relativity, old quantum theory, atomic and nuclear physics. Lectures, demonstrations, discussions, laboratory exercises, computer lab.

- 152 STATICS** 3 S
PHY 110 and MAT 147 req.

Analysis of force systems; equilibrium of two- and three-dimensional systems; trusses, frames, friction; centroids; moments of inertia; hydrostatic pressure on submerged bodies; principle of virtual work.

- 201 ASTRONOMY LABORATORY** 2 F,S
PHY 101 and cons inst req; Physics Ed maj only; course may not be taken in fulfillment of ISBE req for second area certification. Formerly PHY 102.

Optional lab to complement and extend concepts presented in PHY 101. Special emphasis placed on the role of astronomy in the secondary school curriculum.

- 217 METHODS OF THEORETICAL PHYSICS** 3 S
PHY 111; MAT 147 and 175 or conc reg req.

Mathematics applied to physics: multivariate calculus, vector and tensor analysis, curvilinear coordinates, complex numbers, differential equations, numerical methods.

- 220 MECHANICS I** 3 F
PHY 217 req.

Newton's laws applied to the study of motion of point masses subjected to viscous, frictional, elastic, central, harmonic, interparticle, and conservative forces.

- 240 ELECTRICITY AND MAGNETISM I** 3 F
PHY 217 req.

Electrostatic fields and potentials in vacuum, Gauss' law, electrostatics of dielectrics, magnetostatics, Biot-Savart, Ampere, and Faraday laws, magnetic induction, magnetic materials, and Maxwell's equations.

- 270 EXPERIMENTAL PHYSICS** 1 F,S
PHY 112 and 217 req; ENG 249 rec. Only PHY 270.03 may be repeated; max 2 hrs.

Laboratory experiments that demonstrate principles of mechanics, electricity, magnetism, optics, and modern physics. Emphasis on experimental technique, analysis, and on the quality of written reports.

- 284 QUANTUM MECHANICS I** 3 S
PHY 112 and 217 req.

Blackbody radiation, photoelectric effect, wave-particle duality, uncertainty principles, Schrodinger equation, probability amplitudes, one-dimensional potentials, hydrogen atom.

- 288 METHODS OF COMPUTATIONAL SCIENCE** 3 S
ACS 165; CHE 140; PHY 109 or 111; and MAT 146 or cons inst req. Also offered as ACS/CHE 288.

Introduction of a wide variety of computational techniques and their application to physics and chemistry problems. The applications will be restricted to computer simulations of simple physical systems from mechanics, electromagnetism and chemistry.

- 290 RESEARCH IN PHYSICS** 1-3 F,S
20 hrs Physics req. May be repeated; max 3 hrs. 3 hrs conference, lab or library research per week for each hr of cr.

An introduction to the scientific discovery process through participation in a departmental research program.

- 301 TEACHING HIGH SCHOOL PHYSICS 3-4** F
18 hrs in Physics, C or better in C&I 216, or conc reg req. Adm to Teacher Ed req. Incl observation and Clin Exp for 4 hrs cr. Clin Exp: 35 hrs, Type 1-6. Formerly PROBLEMS IN THE TEACHING OF HIGH SCHOOL PHYSICS.

Modern methods and problems confronting teachers of high school physics.

- 302 COMPUTER APPLICATIONS IN HIGH SCHOOL PHYSICS** 1 S
1 hr of PHY 270 req.

Applications of computers in teaching of high school physics.

- 320 MECHANICS II** 3
PHY 220 and MAT 340 req; ACS 164 rec.

Coordinate transformations, nonlinear oscillations, Hamilton's Principle, Lagrangian and Hamiltonian mechanics, rigid body motion.

- 325 THERMAL PHYSICS** 3 F
PHY 284 req. Formerly PHY 225.

Thermodynamics, kinetic theory, and statistical mechanics with discussion on phase transitions and critical phenomena.

- 330 OPTICAL PHYSICS** 3
PHY 240 req. Formerly PHY 230.

Optical systems, electromagnetic waves, interference and diffraction, quantum optics.

- 340 ELECTRICITY AND MAGNETISM II** 3 S
PHY 240 and MAT 340 req.

Electrostatic boundary value problems; Maxwell's equations; polarization, reflection, and transmission of electromagnetic waves, waveguides; electromagnetic radiation, fundamentals of antenna theory, relativistic electromagnetism.

- 355 SOLID STATE PHYSICS** 3
PHY 325 req.

Crystal structures, X-ray and electron diffraction, lattice vibrations and thermal properties, binding energy, conduction of electrons, band theory, dielectric and magnetic properties, defects, metals, semiconductors, and insulators.

- 375 ELECTRONICS FOR SCIENTISTS** 3
PHY 109 or 111 req. Lecture and lab

DC and AC circuit analysis with an introduction to the electrical properties of semiconductors; theoretical and experimental analysis of semiconductor diode, transistor, and operational amplifier circuits.

- 380 TOPICS IN CONTEMPORARY PHYSICS** 1-3
Sr standing only. Cons inst. May be repeated.

Recent developments in the fields of atomic, biomolecular, elementary particle, many-body, molecular, nonlinear, nuclear, plasma, and solid-state physics.

384 QUANTUM MECHANICS II 3 S*PHY 284 and MAT 340 req.*

Operator formalism, Dirac bra and ket notation, angular momentum, perturbation theory, time dependent Schrödinger equation, LS coupling, applications to atomic physics.

387 METHODS OF MATHEMATICAL PHYSICS 3*PHY 240 and MAT 340 or conc reg req.*

Vector analysis, curvilinear coordinates, finite-dimensional linear spaces, matrices and determinants, function and Hilbert spaces, classical orthogonal polynomials, Fourier series and transform, complex analysis, residue theorem, partial differential equations, separation of variables, ordinary differential equations, Sturm-Liouville systems, Green functions, numerical methods.

388 ADVANCED COMPUTATIONAL PHYSICS 3 F*PHY 220, 240, 284, and 288 or cons inst req. Formerly COMPUTATIONAL PHYSICS*

Application of computational methods to contemporary topics in physics, including nonlinear classical and quantum dynamics or physical problems that involve many degrees of freedom.

390 COMPUTATIONAL RESEARCH IN PHYSICS I S*PHY 388 req.*

Independent computational project in physics.

POLITICAL SCIENCE (POS)**306 Schroeder Hall, (309) 438-8638****Chairperson:** Thomas Eimermann.**Tenured/Tenure-track Faculty:***Distinguished Professor:* Payne.*Professors:* A. Cohen, Eimermann, Gordon, Hunt, Monroe, Nassar, Zeidenstein.*Associate Professors:* Bradley, Brooks, Davis, Kiser, Klass, Lind, Pope.*Assistant Professors:* Crothers, Parodi, Rexford, Roberts, Veney, Wang.**General Department Information**

The Political Science program provides students with a broad liberal education and at the same time offers opportunities to begin a specialized concentration in one area of the discipline such as public service or global studies. The study of political science leads into careers in law and paralegal services; local, state, and federal governments and not-for-profit agencies; international public and private organizations; teaching and research; and in the private sector—especially government-related activities of business. Career information, including career-related courses offered by other departments, is available from the Department's undergraduate, concentration, and pre-law advisors. Teacher Education students majoring in Political Science fulfill Professional Education requirements through the Social Sciences program.

MAJOR IN SOCIAL SCIENCES

The major in Social Sciences is administered by the Department of History in cooperation with the Departments of Economics; Political Science; and Sociology-Anthropology. For further information see Social Sciences Programs.

HONORS IN POLITICAL SCIENCE

Students majoring or minoring in Political Science may be admitted to the Departmental Honors Program if they have: (1) completed at least 30 semester hours of college- or university-level courses, including at least 2 Political Science courses; (2) a minimum of 3 semesters remaining before graduation; (3) a cumulative GPA of 3.3; (4) one letter of recommendation submitted by a Political Science faculty member to the undergraduate advisor; (5) membership in the University Honors Program; and (6) admission approval from the Departmental Honors Committee.

In order to graduate with honors in Political Science a student must complete: (1) all regular requirements for the Political Science Major; (2) 3 hours of in-course honors; (3) 3 hours in POS 302: Honors Seminar; (4) 3 hours of POS 299: Independent Honors Study; and (5) have a major GPA of at least 3.5.

Any student admitted to the University Honors Program may earn honors credit by completing the honors requirements of either a designated honors course or of a course offering an in-course honors option.

Political Science Programs

Degrees Offered: B.A., B.S.

MAJOR IN POLITICAL SCIENCE

- 33 hours in Political Science including at least 18 hours at the 200-level or above and at least 6 hours at the 300-level (excluding internships, independent studies, and readings courses).
- Required courses: POS 105, 161, 209; either 141 or 145, and either 150 or 151.
- A maximum of 6 hours in POS 398.01 and 398.20 may count toward a Political Science major.
- It is recommended that Political Science majors enroll in POS 105 in their first year of study and in 209 in their second year of study. Transfer students wishing to complete the Major are recommended to enroll in POS 105 and 209 in their first year at Illinois State University if they have not already had equivalent courses.

MINOR IN POLITICAL SCIENCE

- 18 hours in Political Science required.
- Required course: POS 105.
- A maximum of 3 hours in POS 398.01 and 398.20 may count toward a Political Science minor.

MINOR IN POLITICAL SCIENCE**For Teacher Education:**

- In addition to those listed for the Minor in Political Science, students must complete education courses that are required for state certification. See undergraduate advisor for further information.

Legal Studies Program

The Legal Studies curriculum is designed to provide knowledge and skills related to various types of paralegal careers. This program may not be appropriate for pre-law students. While a major is not offered, interested students should consult the Legal Studies coordinator about the possibility of an individualized major under the General Studies program. In order to gain admission into the Legal Studies program, a student must have submitted a formal application to the Legal Studies coordinator; must have completed at least 2 approved Legal Studies courses (one of which must be POS 201); and must have earned a cumulative GPA of at least 2.5 in those 2 Legal Studies courses. For further information contact Denis Thornton, Legal Studies advisor, 323 Schroeder Hall.

MINOR IN LEGAL STUDIES

- 24 hours required.
- Required courses (15 hrs): POS 201, 203, 204, 370, 371.
- 9 hours selected from the following Legal Studies Specialty Courses: POS 216, 282, 314, 319, 322, 372, 398.20. A maximum of 6 credits of internship can be counted toward fulfilling the Legal Studies requirements. Additional hours of internship may be taken for credit as University electives.
- **NOTE:** Only Legal Studies courses with a grade of "C" or higher can count toward the minor.

Political Science Courses

Students should consult the Department advisor to learn which recently added and selected studies (189, 289, 389) courses may satisfy area requirements; this would include Political Science SENIOR SEMINAR, which counts toward fulfilling the 300-level hours requirement, but does not fulfill area requirements.

101 INDIVIDUALS AND CIVIC LIFE 3 F,S
Examination of the relationship among citizens' rights, liberties, and responsibilities as members of political and other communities.

105 AMERICAN GOVERNMENT AND POLITICS US-5 3 F,S
Surveys the entire U.S. political process, concentrating on the national level. Includes constitutional structure, patterns of behavior, and policy making institutions.

141 INTRODUCTION TO EUROPEAN POLITICS US-5 3 F,S
Formerly COMPARATIVE EUROPEAN GOVERNMENTS.

Structure, function, and political processes of European governments. Emphasis on Britain, France, and Germany.

145 INTRODUCTION TO NON-WESTERN POLITICS US-8 3 F,S
An introductory examination of the politics of non-Western countries and their significance to the United States and the global system.

150 INTRODUCTION TO U.S. FOREIGN POLICY 3 F
The formulation, implementation, and content of U.S. foreign policy.

151 INTRODUCTION TO INTERNATIONAL RELATIONS US-5 3 S
Emphasizes understanding the behavior and characteristics of nation-states and issues affecting their relations with each other.

161 INTRODUCTION TO POLITICAL THINKING 3
Critical consideration of basic political questions such as the nature of the state, civic order, and forms of government.

209 EMPIRICAL RESEARCH METHODS 4 F,S
3 hrs Political Science or cons inst req.
Major issues, systematic approaches, and research techniques involved in the study of politics.

213 U.S. CONGRESSIONAL POLITICS 3
POS 101 or 105 or cons inst req. POS 209 rec. Formerly CONGRESSIONAL POLITICS.
Major congressional institutions and proposals for their reform, primarily through play of classroom game simulations.

214 U.S. PARTIES AND INTEREST GROUPS 3 S
POS 101 or 105 or cons inst req.
Study of roles, functions, effects, and consequences of political parties and interest groups in the U.S.

215 U.S. JUDICIAL PROCESS 3 F,S
POS 101 or 105 or cons inst req. Formerly AMERICAN JUDICIAL PROCESS.
Introduction to the major elements of the judicial system: police, lawyers, juries, and judges. Concentrates on organization and behavior.

217 U.S. PRESIDENCY 3 F
POS 101 or 105 or cons inst req. Formerly AMERICAN PRESIDENCY.
The presidency is examined pre-eminently as an office of political influence, decision-making, and policy implementation.

220 CAMPAIGN POLITICS 3
POS 101 or 105 or cons inst req. POS 214 rec.
Consideration of campaign planning, management, and activities through reading, discussion, and supervised student campaign participation. Ordinarily scheduled to coincide with primary and general election years.

221 U.S. STATE AND LOCAL GOVERNMENTS 3 F
POS 101 or 105 or cons inst req. Formerly AMERICAN STATE AND LOCAL GOVERNMENTS.
Structures and functions of state and local governments. Includes discussion of comparative state and local politics and policy outputs.

222 METROPOLITAN POLITICS AND PROBLEMS 3 S
POS 101 or 105 or cons inst req. Formerly URBAN POLITICS AND PROBLEMS.
A systems analysis of the processes and interactions of the environmental, social, economic, and power components of metropolitan political systems.

225 WOMEN IN POLITICS 3 S
45 sem hrs or cons inst req. POS 101 or 105 rec.
The study of the role of women in the political process.

231 PUBLIC ADMINISTRATION 3 F,S
POS 105 or cons inst req.

Mission, structure, function, politics, and public policy development of public administration, including parameters of public finance and personnel.

232 POLITICS AND PUBLIC POLICY US-5 3 F
POS 101 or 105 or cons inst req.

Introduction to the political processes of public policy formation, including theories, and an analysis and evaluation of selected policy areas.

236 ENVIRONMENTAL POLITICS AND POLICY 3 S
POS 101 or 105 or cons inst req.

An examination of the development and implementation of government policy on the environment.

240 LATIN AMERICAN POLITICS 3
45 hrs or cons inst req. POS 145 rec. Formerly POS 347.

Politics of development and regional integration in South and Central America, using selected countries as examples.

242 RUSSIAN AND EASTERN EUROPEAN POLITICS 3
45 sem hrs or cons inst req. POS 141 rec. Formerly POST-SOVIET GOVERNMENT AND POLITICS.

Comparative analysis of Russian and Eastern European political systems.

243 WESTERN EUROPEAN POLITICS 3 F
45 sem hrs or cons inst req. POS 141 rec.

Comparative analysis of Western European political systems.

245 ASIAN POLITICS 3 F
45 sem hrs or cons inst req. POS 145 rec.

Comparative analysis of the political systems and policies of Asian nations.

246 AFRICAN POLITICS US-8 3 S
45 sem hrs or cons inst req. POS 145 rec.

Comparative analysis of African political systems, including such contemporary problems as the politics of race, nation building, and economic development.

247 MIDDLE EASTERN POLITICS US-8 3 F
45 hrs or cons inst req. POS 145 rec. Formerly POLITICS OF THE MIDDLE EAST.

Comparative analysis of the political systems of selected Middle Eastern states and of region-wide issues including nationalism, revolution, and conflicts.

251 THEORIES AND CONCEPTS OF INTERNATIONAL RELATIONS 3 S
45 hrs or cons inst req. POS 151 rec. Formerly INTERNATIONAL RELATIONS.

Presentation of various approaches employed to study international politics, and an analysis of problems and prospects of the contemporary world.

252 INTERNATIONAL ORGANIZATIONS 3 F
45 hrs or cons inst req. POS 151 rec.

Introduction to the role of international organizations in world affairs. Preparation for Model United Nations.

254 GLOBAL ISSUES US-5 3 F,S
45 hrs or cons inst req. POS 151 rec.

Transnational political interactions and behavior of global actors and their impact upon crucial socio-economic, technological, and cultural issues.

255 INTERNATIONAL CONFLICT AND SECURITY 3 S
45 sem hrs or cons inst req. POS 151 rec.

An examination of the nature of conflict and security arrangements among nations and their international actors.

256 COMPARATIVE FOREIGN POLICY AND PROCESS 3 S
45 sem hrs or cons inst req. POS 151 rec.

A comparative analysis of the formation and content of foreign policies of major nation states.

261 CLASSICAL POLITICAL THEORY 3 F
45 hrs or POS 161 or cons inst req. Formerly POS 362.

Introduction to the origin and development of inquiry about human life in political association with particular reference to ancient and medieval philosophers.

262 MODERN POLITICAL THEORY 3 S
45 hrs or POS 161 or cons inst req.

Introduction to political theory emphasizing the intentions, methods, and concepts of selected thinkers from the 16th through the 20th centuries.

265 AMERICAN POLITICAL THEORY 3 F
45 hrs or POS 161 or cons inst req. Formerly TOPICS IN AMERICAN POLITICAL THOUGHT.

Analysis and evaluation of major writings that proceed from, contribute to, or comment upon the American political experience.

266 AMERICAN LEGAL THEORIES 3 S
45 hrs or POS 161 or cons inst req. Formerly AMERICAN LEGAL THEORY AND ITS BACKGROUND.

A theoretical overview of the legal component of political science with particular reference to policies and institutions in the American legal system.

283 TRIAL ADVOCACY 3 F
45 hrs or POS 161 or cons inst req.

An introduction to fundamental techniques of trial advocacy in preparation for participation in intercollegiate mock trial competitions.

300 SENIOR SEMINAR 3 F,S
Political Science maj/min and 90 hrs req.

Intensive study of an announced area and the formulation of a comprehensive research paper.

300.01 SOCIAL SCIENCE SEMINAR 3 S
Social Sciences maj. ECO 131 or GEO 204 or HIS 200 or 296 or POS 209 or SOA 271 req; completion of at least 1 course in 5 of the 7 program areas (American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History) req; completion of at least 12 hours of senior-level social sciences courses req. Also offered as ECO/GEO/HIS/SOA 300.01.

An intensive examination of selected urban issues from an interdisciplinary social science perspective, culminating in a capstone student research project.

- 302 HONORS SEMINAR** 3 S
Enr in University Honors Program and either 60 hrs or cons inst req. Formerly POS 300.
 Intensive study of an announced area and formulation of a cumulative research paper.
- 309 ADVANCED QUANTITATIVE RESEARCH TECHNIQUES** 3 S
POS 209 or cons inst req.
 The application of advanced quantitative research techniques to the study of politics.
- 310 VOTING AND ELECTIONS** 3 F
POS 105 or 209 or cons inst req
 Intensive investigation of U.S. voting behavior and electoral process; includes instruction in analysis techniques.
- 312 PUBLIC OPINION** 3 S
POS 105 or 209 or cons inst req.
 Includes attention to social and psychological bases of public opinion, current trends, methods of measurement, and opinion-policy linkages.
- 313 COLLECTIVE DECISION MAKING** 3 S
3 hrs Political Science or cons inst req.
 Game theory approach to decision-making in large groups, including legislatures, unions, oligopolies, bureaucratic organizations, and international negotiations.
- 318 ADMINISTRATIVE LAW** 3
60 hrs or cons inst req. POS 215 rec.
 An overview of topics such as legislative, executive, and judicial control of administrative actions, public and private access to information, the administrative hearing process and other due process concerns.
- 323 STATE POLITICAL SYSTEMS** 3
60 hrs, POS 221 or cons inst req.
 Exploration of the nature of state politics through comparison, contrast, and synthesis of micropolitical and macropolitical research in state politics.
- 324 TOPICS IN PUBLIC LAW** 3 S
60 hrs, POS 101 or 105 or cons inst req. POS 215 rec. May be repeated if cont different.
 Selected topics focusing on specialized aspects of Public Law.
- 325 CONSTITUTIONAL LAW: FUNCTIONS AND POWERS** 3 S
60 hrs or cons inst req. POS 215 rec.
 Major Supreme Court decisions on federalism, separation of powers, taxation, commerce, voting, and citizenship.
- 326 CONSTITUTIONAL LAW: DUE PROCESS RIGHTS** 3 S
60 hrs or cons inst req. POS 215 rec.
 Major Supreme Court decisions involving both procedural and substantive due process rights.
- 327 CONSTITUTIONAL LAW: EQUALITY AND FREE EXPRESSION** 3 F
60 hrs or cons inst req. POS 215 rec.
 Major Supreme Court decisions involving discrimination, and freedom of speech, press, assembly, and religion.
- 329 POLITICS OF FEDERALISM** 3
POS 221 or cons inst req. Formerly INTERGOVERNMENTAL RELATIONS.
 Federalism in theory and practice, focusing on U.S.; politics and policy in intergovernmental contexts; recent initiatives and current problems.
- 330 PROBLEMS OF PUBLIC ADMINISTRATION** 3 S
POS 231 or cons inst req. May be repeated if content different.
 Varied approaches to problems relevant to public policy, organization development, management, staff, or personnel concerns, and applied behavioral techniques.
- 331 PUBLIC PERSONNEL ADMINISTRATION** 3 F
POS 231 or cons inst req.
 The personnel process in American bureaucracy; matching the individual and the job; employer-employee relations; employee motivation; problems and prospects.
- 332 PUBLIC POLICY ANALYSIS** 3 S
POS 209 or 232 or cons inst req. May be repeated if content different.
 Comparative policy research; an assessment of factors affecting policy formation and approach to evaluation of consequences of specific domestic public programs.
- 333 POLITICS, BUDGETS, AND TAXES** 3 F
POS 231 or cons inst req. Formerly THE POLITICS OF GOVERNMENTAL BUDGETING.
 Meaning, significance, content, and evolution of governmental budgeting processes and reforms at all levels of government; political implications of fiscal reforms.
- 334 THE POLITICS OF RACE, ETHNICITY AND INEQUALITY** 3 F,S
POS 101 or 105 or cons inst req; POS 214, 231 or 232 or 327 rec.
 Analysis of contending theories and ideologies concerning the role of race and ethnicity in American politics and public policy.
- 335 COMMUNITY DEVELOPMENT** 3 F
POS 101 or 105 or cons inst req.
 An examination of strategies and techniques employed in the United States and abroad in community development.
- 340 TOPICS IN LATIN AMERICAN POLITICS** 3 S
1 of the following: POS 145, 240; GEO 230; HIS 127, 263, or cons inst req. May be repeated if content different.
 Selected topics focusing on specialized aspects of Latin American politics.
- 341 TOPICS IN EUROPEAN POLITICS** 3 S
1 of the following: POS 141, 242, 243; GEO 240, 245; HIS 229, 234, 237, 366, or cons inst req. May be repeated if content different.
 Selected topics focusing on specialized aspects of European politics.
- 344 TOPICS IN GLOBAL STUDIES** 3
1 of the following: POS 150, 151, 251, 252, 254, 255, 256, or cons inst req. May be repeated if content different.
 Intensive review and analysis of critical global problems and strategies for dealing with them.

- 345 TOPICS IN ASIAN POLITICS** 3 S
1 of the following: POS 145, 245, 255; HIS 373, 375, or cons inst req. May be repeated if content different. Formerly ASIAN POLITICS.

Selected topics focusing on specialized aspects of Asian politics.

- 349 TOPICS IN MIDDLE EAST POLITICS** 3 S
1 of the following: POS 145, 249; HIS 272; or cons inst req. May be repeated if content different.

Selected topics focusing on specialized aspects of Middle East politics.

- 350 TOPICS IN CROSS-REGIONAL POLITICS** 3 S
POS 141 or 145 or cons inst req. May be repeated if content different.

Selected topics in comparative politics that cut across regional boundaries.

- 351 INTERNATIONAL LAW** 3
1 of the following: POS 151, 251, 252, 254, 255, 256, or cons inst req.

Political nature, legal principles, and juridical procedures and cases of contemporary international law.

- 358 INTERNATIONAL POLITICAL ECONOMY** 3 S
1 of the following: POS 151, 251, 252, 254, 255, 256, or cons inst req.

An analysis of the structures of political power in the international political economy.

- 361 TOPICS IN POLITICAL THEORY** 3
POS 101, 105, or 161 or 60 sem hrs or cons inst req. May be repeated if content different.

Selected advanced topics covering specific concepts or authors in political theory.

- 398.01 PROFESSIONAL PRACTICE: PUBLIC SERVICE INTERNSHIP** 1-16 F,S

Max 6 hrs/Political Science maj; max 3 hrs/Political Science min. Complete dept internship application procedure.

Planned, supervised experience in a governmental or community organization, providing on-the-job training and introduction to public service careers.

Legal Studies Courses

The following courses are designed for the Legal Studies program. Except for POS 201, 203, 204, and 398.20, these courses may not be counted for credit toward a Political Science major or minor. A maximum of 9 hours may be applied to a Political Science major or minor from Legal Studies courses.

- 201 INTRODUCTION TO LAW FOR PARALEGALS** 3 F,S
45 cr hrs req.

A paralegal specialty course that introduces students to basic legal concepts, and the role of paralegals/legal assistants in the American legal system.

- 203 LEGAL RESEARCH I** 3 F
POS 201 or cons Legal Studies advisor req.

A writing-intensive, paralegal specialty course that introduces students to the basic techniques of legal research.

- 204 LEGAL RESEARCH II** 3 S
POS 203 req.

A writing-intensive paralegal specialty course that covers advanced legal research.

- 216 INTRODUCTION TO TORTS** 3 S
Not for cr Political Science maj/min.

An introduction to the fundamental concepts of tort law. Topics include intentional and unintentional wrongs, varieties of liability, and courses of action.

- 282 LAW OFFICE ADMINISTRATION** 3 S
POS 201 req. Not for cr Political Science maj/min.

A paralegal specialty course covering law office organization and procedures, conflict of interest, and ethics.

- 314 INVESTIGATIVE TECHNIQUES** 3 F
POS 201 and 216 req. Not for cr Political Science maj/min.

Techniques for the gathering and preparation of evidence for use in legal disputes.

- 319 PROBATE LAW** 3 S
POS 201 or cons inst req. Not for cr Political Science maj/min.

Introduction to the fundamentals of probate law with emphasis on tasks which can be performed by paralegals.

- 322 DOMESTIC RELATIONS LAW** 3 F
POS 201 or cons inst req. Not for cr Political Science maj/min.

Overview of the laws and procedures governing legal aspects of marriage and child custody. Emphasis is placed on tasks which can be performed by paralegals.

- 370 LITIGATION I** 3 F
POS 201 and 203 req. Not for cr Political Science maj/min.

An advanced paralegal specialty course that covers both civil and criminal litigation from the filing of a legal action through the defendant's responses.

- 371 LITIGATION II** 3 S
POS 370 req. Not for cr Political Science maj/min.

An advanced paralegal specialty course that covers both civil and criminal litigation from the discovery and pretrial motions through the trial and appellate stages.

- 372 EMPLOYMENT LAW** 3
POS 201 or cons inst req. Not for cr Political Science maj/min.

A paralegal specialty course covering retirement plans, collective bargaining agreements, workmen's compensation, anti-discrimination laws, and OSHA regulations.

- 398.20 PROFESSIONAL PRACTICE: PARALEGAL INTERNSHIP** 1-16 F,S
POS 201 req. Max 6 hrs Political Science maj; max 3 hrs Political Science min. Complete dept internship application procedure.

Internship provides work experience involving paralegal skills.

PSYCHOLOGY (PSY)

435 DeGarmo Hall, (309) 438-8651

Chairperson: Larry Alferink.

Tenured/Tenure-track Faculty:

Distinguished Professor: Berk.

Professors: Alferink, Bergner, Gnagey, Graybill, Johnson, Lamb, Landau, Pryor, Ramseyer, Redding, Reeder, Schmaltz, Stevens, Swerdlik.

Associate Professors: Binning, Catanzaro, Creasey, Hardwick, Harris, House, Jarvis, Laurent, Pfost, M. Williams.

Assistant Professors: Bucy, DeSouza, Farner-Dougan, Hamm, Hesson-McInnis, Horton, Mulligan, Nordstrom, Peterson, K. Williams.

General Department Information

MINOR IN COGNITIVE SCIENCE

The Department of Psychology participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

HONORS IN PSYCHOLOGY

The Department offers honors work for superior students majoring in Psychology. In order to qualify the student must have achieved senior standing at the University, have achieved a University GPA of 3.30 or better and have a GPA of 3.50 or better in Psychology coursework. Finally, the student must complete a senior thesis (PSY 299-Independent Honors Study) which reflects substantial research and quality of thought. The student completing the program may choose to present the thesis at an honors colloquium.

Psychology Programs

Degrees Offered: B.A., B.S.

MAJOR IN PSYCHOLOGY

- 36 hours in Psychology required.
- Meet departmental admissions criteria.
- Required courses: PSY 111, 231, 240, 331, 392.
- All majors are required to take 4 courses from the following: PSY 320, 334, 350, 360, 361, 363, 364, 365, 366, PSY 301 (or 302 or 303). Not more than 12 hours of 100-level Psychology courses, or Psychology courses transferred from community colleges, may count toward the major.
- Students who major in Psychology must complete the following courses or equivalents: ENG 101, 145; MAT 144 and 145, or MAT 120 and 121, or MAT 144 and PSY 345, or MAT 120 and PSY 345; 2 approved classes with laboratories in Biological Sciences, Chemistry, or Physics, (see Department for list of approved lab courses), and at least 1 course from PHI 101, 110, 232, 250, or 253.

MINOR IN PSYCHOLOGY

- 21 hours in Psychology required.
- Meet departmental admissions criteria.
- Required courses: PSY 111, 231, 232.

- Plan a program of study in consultation with an advisor in the Psychology Department.
- **NOTE:** Coursework in Sociology, Anthropology, and Social Work does not count toward the Psychology Minor.

MINOR IN PSYCHOLOGY

For Teacher Education:

- 21 hours in Psychology required.
- Meet departmental admissions criteria.
- Required courses: PSY 111, 231, 232.
- Select 1 course from the following: PSY 112, 131.
- Select 3 courses from the following: PSY 320, 334, 360, 361, 363.
- Plan a program of study in consultation with an advisor in the Psychology Department.
- Complete Teacher Certification requirements.
- **NOTE:** Coursework in Sociology and Anthropology does not count toward the Psychology Minor.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Psychology Courses

111 GENERAL

PSYCHOLOGY

US-5

3

F,S

Students may be expected to participate in experiments.

Introduction to the discipline of psychology as the scientific study of behavior with emphasis on general principles.

112 DEVELOPMENTAL PSYCHOLOGY OF THE LIFE SPAN

US-5

3

F,S

*PSY 111 req. Not for cr if had PSY 301, 302 or 303.
May Incl Clin Exp: Type 1.*

Physical, social, emotional, and cognitive development of the individual from conception to death.

123 HUMAN SEXUALITY

US-7

3

F,S

SOA 106 or PSY 111 req. Not for cr if had SOA 123.

Basic psychological, socio-cultural, and physiological elements of human sexuality.

131 SOCIAL PSYCHOLOGY US-5 3 F,S
SOA 106 or PSY 111 req. Not for cr if had SOA 131.

Scientific study of behavior as influenced by other individuals; communication, motivation, differential social and cultural factors in personality; social interaction.

215 EDUCATIONAL PSYCHOLOGY 3 F,S
PSY 111 req. Designed for prospective school teachers. Incl Clin Exp: Type 1.

Application of psychology to education covering human learning in school setting; evaluation and measurement of learning outcomes, developmental factors and learning, and social factors of learning.

220 APPLIED HUMAN RELATIONS 3 F,S
PSY 111 req. Not for cr maj.

Survey of applications of psychological knowledge in the area of human and interpersonal relations. Focus on applying psychological principles in the workplace.

230 BUSINESS AND INDUSTRIAL PSYCHOLOGY 3 F,S
PSY 111 req.

Behavioral factors related to business and industry. Personnel practices, individual-group interaction, leadership and morale, fatigue and safety, and consumer behavior.

231 EXPERIMENTAL PSYCHOLOGY 3 F,S
PSY 111 req.

Philosophy of science and inquiry with emphasis on experimental methodology and some application of principles through laboratory experimentation and demonstration.

232 PERSONALITY US-5 3 F,S
PSY 111 req.

Representative personality theories and how they interact in today's society with normal and pathological patterns and the modification of these patterns.

234 INTRODUCTION TO PSYCHOLOGICAL TESTING 3 F,S
PSY 111 req; not for cr maj.

Survey of psychological tests and testing principles with applications to the Special Education classroom.

240 STATISTICS I 3 F,S
SOA 106 or PSY 111; MAT 119 or 120 or 144 req. Not for cr if had SOA 240 or 275.

Application and interpretation of basic statistics used in the behavioral sciences: descriptive statistics, simple hypothesis testing and two-variable regression.

247 CHARACTERISTICS OF LD/BD/EMH IN CHILDREN AND ADOLESCENTS 3 F,S
PSY 111 req. No cr if had PSY 347.

Definitions and classification systems for LD, BD, and EMH children and adolescents; labeling; theories of etiology; prevalence; educational and psychological characteristics of the three populations.

290 SPECIAL PROJECTS 1-3 F,S
Cons dept chair and inst.

Majors in psychology can pursue areas of special interest independently and/or work on special projects.

301 DEVELOPMENTAL PSYCHOLOGY OF CHILDHOOD 3 F,S
PSY 111 req.

Motor, cognitive, and emotional development and personality growth of children, birth through pre-adolescence.

302 DEVELOPMENTAL PSYCHOLOGY OF ADOLESCENCE 3 F,S
PSY 111 req. May Incl Clin Exp: Type 1.

Motor, cognitive, and emotional development and personality growth of the adolescent.

303 ADULT DEVELOPMENT AND AGING 3 F
PSY 111 req.

Physical, cognitive, and personality development during adulthood, with emphasis on theories, empirical data, research methods, and current issues.

304 GERONTOLOGICAL PSYCHOLOGY 3 S
PSY 111 req.

Psychological aspects of developmental transformations occurring during later adulthood. Application of psychology to problems of aging.

305 PSYCHOLOGY OF WOMEN 3 F,S
PSY 111 req.

Psychological research to place in scientific perspective the etiology and behavioral consequences of female and male-oriented attitudes.

320 HISTORY AND SYSTEMS OF PSYCHOLOGY 3 S
12 hrs of Psychology req.

Historical antecedents of modern psychology, beginning with Aristotle. Examination of modern psychology from a systematic point of view.

331 STUDIES IN EXPERIMENTAL PSYCHOLOGY 3 F,S
PSY 231, 240, or cons inst req. Psychology maj only. May be repeated if content different.

Individualized research course focusing on particular content areas. Sections concentrate in different areas.

333 PRINCIPLES OF BEHAVIOR MODIFICATION 3 F,S
PSY 111 req.

Principles of behavior modification with an emphasis upon their use in a variety of educational and clinical settings.

334 PSYCHOLOGICAL MEASUREMENT 3 F,S
PSY 111 req.

Selection, evaluation, and interpretation of psychological tests, with emphasis on basic theory. Tests are considered as indicators of constructs in specific decision situations.

341 STATISTICS II 3 F,S
PSY 240 req.

Logic of statistical inference: interval estimation, complex hypothesis testing, and non-parametric techniques. Applications in behavioral sciences.

345 COMPUTER APPLICATIONS IN PSYCHOLOGY 3 F,S
PSY 240 and MAT 120 or 144 req. Psychology maj only or cons dept chair.

Application of computer technology to psychology. Special emphasis is placed on the use of computer statistical packages to analyze psychological data.

- 346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN** 3 F,S
PSY 112 or 232 or 301 or 302 or C&I 210 or cons inst req. May Incl Clin Exp: Type 1.

Socio-psychological factors influencing the exceptional child's cognitive and affective development with implications for those working with exceptional children.

- 347 BEHAVIOR DISORDERS IN CHILDREN** 3 F,S
PSY 111 req.

Medical, psychological, and sociological aspects of behavioral disorders of children.

- 350 PSYCHOPATHOLOGY** 3 F,S
PSY 111 req.

Behavior disorders; neuroses, psychoses, character disorders, mental deficiencies, and other psychopathological conditions.

- 360 LEARNING** 3 F,S
PSY 111 req.

Experimental data bearing on the problem of learning; learning theory; learning data and theory in relation to applied problems.

- 361 PERCEPTION** 3 F,S
9 hrs of Psychology or cons inst req.

Cognitive processes and their relationship to other processes. Relationship of sensation, attention, and memory to perception and factors influencing perception.

- 363 PHYSIOLOGICAL PSYCHOLOGY** 3 F,S
9 hrs of Psychology and BSC 100 or cons inst req.

Neurophysiological and biochemical substrates of behavioral processes including sensori-motor, perceptual, motivational, emotional, and intellectual behaviors.

- 364 MOTIVATION** 3 F,S
9 hrs of Psychology or cons inst req.

Evolution of basic concepts leading to contemporary explanation of determiners of action with application to vocational, social, and educational areas.

- 365 DYNAMICS OF SOCIAL BEHAVIOR** 3 F,S
PSY 131 req.

An overview of the explanations for various aspects of social behavior, e.g., interaction, attitudes, person perception, etc.

- 366 COGNITIVE PSYCHOLOGY** 3 F,S
9 hrs of Psychology, and PSY 231 or cons inst req.

Information processing analysis of perception, attention, memory, language, and thinking.

- 375 PERSONNEL PSYCHOLOGY** 3 F,S
PSY 230 or 334 or cons inst req.

Procedures and methods used to match individual skills and abilities to the requirements of specific jobs; emphasis is on personnel selection.

- 376 ORGANIZATIONAL PSYCHOLOGY** 3 F,S
PSY 230 or cons inst req. Not for cr if had MQM 221 or 421.

Research methods and results concerning social psychology of work organizations. Descriptions of practices in organizational psychology.

- 392 SENIOR SEMINAR** 3 F,S
Sr standing; Psychology maj only.
 Detailed study of specific areas within the discipline.

- 398 PROFESSIONAL PRACTICE: PSYCHOLOGY** 1-6 F,S
15 hrs in Psychology; jr/sr standing. 2.5 major GPA. No cr maj/min. May be repeated for different experience; 3 cr hrs per placement.

SOCIAL WORK (SWK)

313 Rachel Cooper, (309) 438-3631

Acting Chairperson: Susan Smith.

Tenured/Tenure-track Faculty:

Professor: Smith.

Associate Professors: Campbell, Cunningham, Howard.

Assistant Professors: Cummins, Davison, Hamilton, Holland, Madrigal, Sullivan.

General Department Information

Admission Requirements:

Students may declare a major in Social Work upon admission to the University or with permission of the Department. All internal transfers (coming from general student status or some other declared major) must meet the following requirements:

1. Achievement of a cumulative 2.50 GPA at Illinois State University.
2. Grade of "C" or better in any major required course taken at Illinois state University or a transferred equivalent.
3. Completion of appropriate application and interview by the advisement coordinator.

— **NOTE:** The Social Work Department reserves the right to maintain a balanced enrollment.

- a. This may restrict the numbers of freshmen, transfer students, and internal transfers who wish to be Social Work majors.
- b. Most Social Work courses are restricted to Social Work majors.

All Social Work majors must also be formally admitted to the program. The admission process is a prerequisite for taking any 300-level Social Work course. In order to be formally admitted into the Social Work program, students are required to make formal application during their enrollment in SWK 223. To be accepted into the program, the student must have satisfied the following requirements:

1. At least 30 hours of credit with a minimum 2.50 overall GPA;
2. A "C" or better in all courses required for the major;
3. Successful completion of at least 50 pre-approved hours of volunteer or paid work experience in an appropriate social service agency within the past 2 years.

Exemptions from the grade point requirement may be made for students who demonstrate potential for academic success in Social Work. Exceptions are granted upon the recommendations of the Social Work Admission Committee and the Chairperson of the Social Work program. Students with a 2.25 GPA may be accepted if they have earned at least a "C" in English 101. If they have earned less than a "C" in English 101, they must earn at least a "C" in either English 145 or Business 215 before being admitted into the program.

Retention Requirements:

The Department reserves the right to enforce professional standards of practice as specified in Section 6369 of the Clinical Social Work and practice Act. These standards may be taken into consideration in decisions related to program retention. Students have the right to appeal these decisions.

Social Work Program

Degrees Offered: B.A., B.S.

MAJOR IN SOCIAL WORK

- 58 hours required, including 18 hours in foundation courses (9 hrs of which are University Studies courses) and 40 hours in core courses in Social Work.
- 18 hours required in Social Work foundation courses: SOA 131 (US 5), 264, 275; PSY 111 (US 5), 350; BSC 145 (US 7).
- 40 hours required in Social Work courses: SWK 221, 222, 223, 225, 315, 325, 326, 335, 345, 391, 396, 398.10, 398.11.
- Suggested electives: BSC 189.11; CJS 101; C&I 312; PHI 138; POS 105, 215, 264; PSY 112, 232, 301, 302, 333; SOA 106, 107, 123, 260, 261, 262, 263, 271, 332, 342, 366; SWK 160, 323, 330; SED 109; COM 223; or other relevant courses selected in consultation with the student's Social Work advisor.
- The Baccalaureate Degree in Social Work is accredited by the Council on Social Work Education. The primary objective of the major is to prepare entry-level professional social work practitioners.

Social Work Courses

160 INTERNATIONAL SOCIAL WELFARE 3 F,S

A cross-national study of basic social welfare services in developing nations. Food, income, housing, health, and social services in 3 third-world countries.

170 SURVEY OF SOCIAL WORK AND SOCIAL WELFARE US-7 3 F,S

Not for cr maj/min.

Survey of the profession of social work and the institution of social welfare in contemporary United States.

221 INTRODUCTION TO SOCIAL WELFARE 3 F,S

SOA 106 and PSY 111 rec.

The historical development of social welfare as an institution and the impact of social, economic factors, and the ideological systems on social welfare laws, policies and programs. Includes the development of the social work profession from selected social movements.

222 SOCIAL WELFARE POLICY AND SERVICES 3 F,S

SWK 221 req.

Descriptive, analytical, and critical analysis of social welfare programs, policies, and issues.

223 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT I 3 F,S

PSY 111; BSC 145; SOA 131 and 264 or conc reg req.

The integration of major concepts from the social and behavioral sciences in terms of their relevance for micro social work practice.

225 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT II 3 F,S

SWK 223 req.

The integration of major concepts from the social and behavioral sciences in terms of their relevance for macro social work practice.

315 SOCIAL WORK RESEARCH 3

SWK 221 or conc reg. Maj only or cons dept advisor.

Application of theories and skills of research to social work practice with individuals, families, groups, communities, and organizations.

323 CHILD WELFARE SERVICES 3 F,S

SWK 222 rec or Special Ed or Family and Consumer Sciences maj. Recommended before SWK 398.10 if student wishes placement in a child-serving agency.

Services for dependent, neglected, abused, and handicapped children and their families.

325 SOCIAL WORK METHODS I 3 F,S

SWK 221, 223 or conc reg req. Maj only or cons dept advisor. Conc reg SWK 326 req.

Introduction to generalist social work practice with an emphasis on working with individuals.

326 SOCIAL WORK METHODS I LAB 1 F,S

Conc reg SWK 325 req.

Lab course which teaches interpersonal practice skills.

330 TOPICS IN CONTEMPORARY SOCIAL WORK AND SOCIAL WELFARE 2-3 F

SWK 221 or cons inst req.

Analysis of current social welfare topics and the role of the profession of social work.

335 SOCIAL WORK METHODS II 3 F,S

SWK 225 and 325 or conc reg req. Maj only or cons dept adv. Lecture and lab. Materials charge optional.

Continuation of methodology and skills in social work practice, focusing specifically on knowledge, principles, techniques, and approaches to effect change in small groups and families.

345 SOCIAL WORK METHODS III 3 F,S

SWK 222 and 325 or conc reg req. Maj only or cons dept adv.

Social work practice with neighborhoods, communities, and human service agencies, including program planning, administration, supervision, and evaluation.

391 SENIOR SEMINAR IN SOCIAL WORK 2 F,S
SWK 222 and 325 req. Maj only or cons dept adv.

Selected topics relevant to the social work profession and to the integration of previous social work courses.

396 FIELD INSTRUCTION SEMINAR 1-3 F,S
Conc reg SWK 398.10 and 398.11 req. SWK 315 and 335 req. PSY 350 or conc reg req. Sr. standing and formal adm to Social Work maj req. Maj only.

Taken concurrently with the field practicum courses, this seminar facilitates students' integration of generalist practice knowledge with their practice in a field agency setting.

**398.10 PROFESSIONAL PRACTICE:
SOCIAL WORK FIELD
INSTRUCTION I 5 F,S**

SWK 315 and 335 req. PSY 350 or conc reg req. Sr. standing and formal admission to Social Work maj req. Maj only. Offered on CR/NC basis only. Conc reg SWK 396 req. Materials charge optional. Formerly PROFESSIONAL PRACTICE: SOCIAL WORK FIELD INSTRUCTION AND SEMINAR I.

Supervised field instruction and practice in social work methods with individuals, groups, and communities in a social welfare agency.

**398.11 PROFESSIONAL PRACTICE:
SOCIAL WORK FIELD
INSTRUCTION II 5 F,S**

SWK 345 req. SWK 391 and 398.10 or conc reg req. Offered on a CR/NC basis only. Conc reg SWK 396 req. Formerly PROFESSIONAL PRACTICE: SOCIAL WORK FIELD INSTRUCTION AND SEMINAR II.

Advanced supervised field instruction and practice in social work. Setting usually the same as in SWK 398.10 but experiences are more diverse and complex. Integrates theory and practice with emphasis on the student as a professional social worker.

SOCIOLOGY - ANTHROPOLOGY (SOA)

338 Schroeder Hall, (309) 438-8668

Chairperson: Nick Maroules.

Tenured/Tenure-track Faculty:

Sociology: Professors: Heyl, Leonard, McKinney, Rau, Schmitt, Schollaert, Sprecher, Stivers, Thomas, Tolone, Treadway, Walsh.

Associate Professors: Ervin, Griffin, Maroules, Moghadam, Wortham.

Assistant Professors: Gershick, Gill, Toro-Morn, Wazienski.

Anthropology: Professors: Dirks, Nickels, Orser.

Associate Professors: Skibo, Stanlaw.

Assistant Professor: Giles.

General Department Information

MAJOR IN SOCIAL SCIENCES

The Major in Social Sciences is administered in the Department of History in cooperation with the Departments of Sociology-Anthropology; Economics; Geography, and Political Science. For further information see Social Science programs.

MINOR IN COGNITIVE SCIENCE

The Department of Sociology-Anthropology participates in the Minor in Cognitive Science program. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

Sociology Programs

Degrees Offered: B.A., B.S.

Academic Requirements:

To graduate with a Sociology Major, students must earn a grade of "C" or better in each of the 4 required upper-level courses, SOA 270, 271, 275, and 300.

Concentrations:

The Sociology program has identified several departmental concentrations that can be useful in planning the student's academic program. Students majoring in Sociology may elect (but are not required to elect) a concentration in Deviance; Health and Aging; Human Sexuality; Social Psychology; Institutions and Socialization; Inequality and Social Movements; Organizations and Occupations; or Demography and Urban. Selecting a concentration is helpful for focusing on specific career objectives. Although no specific courses are required for these concentrations, recommended courses for each are listed below:

1. **Deviance:** Courses required for major plus SOA 263, 365, and 367.
2. **Health and Aging:** Courses required for major plus SOA 210, 211, 212, and 311.
3. **Human Sexuality:** Courses required for major plus SOA 123, and 342.
4. **Social Psychology:** Courses required for major plus SOA 131, 332, and 366.
5. **Institutions and Socialization:** Courses required for major plus SOA 262, 268, and 317.
6. **Inequality and Socialization:** Courses required for major plus SOA 260, 264, 341, and 366.
7. **Organizations and Occupations:** Courses required for major plus SOA 255, 352, and 355.
8. **Demography and Urban:** Courses required for major plus SOA 261, 267, and 361.

NOTE: For further information see the Sociology Program academic advisor.

MAJOR IN SOCIOLOGY

Admission to the Sociology Major may be effected and restricted by the lack of available Department resources in times of oversubscription.

- 30 hours in Sociology required and 18 hours in related fields.
- Required courses: SOA 106, 270, 271, 275, 300 and electives to complete 30 hours; at least 18 additional hours in the social-behavioral sciences of Anthropology, History, Economics, Philosophy, Political Science, and Psychology, with at least 3 hours in Anthropology, Economics, and Psychology and not more than 6 hours

in any 1 field counted toward the 18-hour requirement. These additional hours may also count toward University Studies requirements. However, no Anthropology course may be counted toward the 30 hours of Sociology electives required for the major.

MINOR IN SOCIOLOGY

- 18 hours in Sociology required.
- Required course: SOA 106. No Anthropology course may be counted toward the 18 hours in Sociology required for the minor.

MINOR IN SOCIOLOGY

For Teacher Education:

- 24 hours required.
- Required courses: SOA 106. No Anthropology course may be counted for the 18 hours in Sociology required for the minor. Other suggested coursework may include SOA 123, 262, 264, 211.
- 18 hours in Sociology required, and an additional 6 hours in Social Sciences.
- Junior High School Endorsements Earned: Social Science* Junior High School Endorsement since the requirements total 18 hours in Sociology.
- High School Endorsement Earned: Sociology High School Endorsement since the requirements total 18 hours in Sociology and an additional 6 hours in Social Science*.

*Social Science includes the following areas: Anthropology (other than Physical Anthropology), Civics/Political Science, Economics, Geography (other than Physical Geography), U.S. History, Sociology, and World History.

MINOR IN GERONTOLOGY

Interdisciplinary Minor: For further information contact the Gerontology Coordinator, Department of Sociology - Anthropology.

- 21 hours required.
- Required courses (9 hrs): SOA 211; PSY 303 or 304; FCS/HSC 394.
- Electives (12 hrs) approved by the Gerontology Committee. Students without direct work or extensive volunteer experience with older persons will be advised to register for approved Professional Practice (SOA 398.01, 3-6 hrs) as a part of the elective requirement. Other electives include but are not limited to: SOA 210, 212, 311; COM 331; FCS 305.

Anthropology Programs

Degrees Offered: B.A., B.S.

MAJOR IN ANTHROPOLOGY

- Minimum of 33 hours in Anthropology required.
- Required courses (24 hrs): SOA 180, 181, 182, 274, 281, 286, 380, 382.
- Electives (9 hrs) selected from other Anthropology courses.
- **NOTE:** Students will be advised in individual consultation to take a number of supporting courses in cognate disciplines. The program in cognates may emphasize either the social sciences or the natural sciences, reflecting the student's primary interest in

physical anthropology, cultural anthropology, or archaeology. All Anthropology majors are strongly encouraged to take ENG 145 and SOA 275 as part of their undergraduate curriculum. No Sociology course may be counted toward the 33 hours in Anthropology required for the major.

MINOR IN ANTHROPOLOGY

- 18 hours in Anthropology required.
- Required courses: SOA 180 or 184, 181, 182.
- **NOTE:** Additional Anthropology electives will be recommended on an individual basis. No Sociology course may be counted toward the 18 hours in Anthropology required for the minor.

MINOR IN ANTHROPOLOGY

For Teacher Education:

- Requirements are the same as Minor in Anthropology.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Sociology Courses

106 INTRODUCTION TO

SOCIOLOGY US-5 3

Structure and dynamics of human society. Concepts of culture, socialization, stratification, collective behavior, family, minority relations, population, crime.

107 SOCIAL PROBLEMS

US-5 3

SOA 106 rec.

The nature, social definition, and interrelationship of social problems. Selected topics may include aspects of societal problems and deviant behavior.

123 HUMAN SEXUALITY

US-7 3

SOA 106 or PSY 111 rec. Not for cr if had PSY 123.

Basic psychological, socio-cultural, and physiological elements of human sexuality.

131 SOCIAL PSYCHOLOGY US-5 3*SOA 106 or PSY 111 rec. Not for cr if had PSY 131.*

The scientific study, from a sociological perspective, of the attitudes and behavior of individuals in the group setting and interaction between individuals and groups.

210 SOCIOLOGY OF HEALTH AND MEDICINE 3*SOA 106 rec; 45 hrs or cons inst req.*

Analysis of social roles related to disease and illness; social aspects of distribution of disease; societal response in health professions and the organization of medicine.

211 SOCIAL GERONTOLOGY 3*SOA 106 or PSY 111 rec; 45 hrs or cons inst req.*

Process and consequences of aging; interplay between social and social-psychological forces and the aged population in society.

212 SOCIOLOGY OF DEATH 3*SOA 106 or PSY 111 rec; 45 hrs or cons inst req.*

Complexities of death-related behavior in modern societies; sociological and social-psychological viewpoints; theoretical and pragmatic implications.

255 SOCIOLOGY OF WORK AND OCCUPATIONS 3*SOA 106 rec; 45 hrs or cons inst req.*

Sociological principles applied to the social institution of work.

260 SOCIAL STRATIFICATION 3 F*SOA 106 rec; 45 hrs or cons inst req.*

Theories and character of social class systems, differential class behavior, mobility, power relationships, and caste and estate systems.

261 THE COMMUNITY US-5 3*SOA 106 rec. 45 hrs or cons inst req.*

Structure and function of the community. Changes in community; power, leadership, community organization.

262 MARRIAGE AND THE FAMILY 3*SOA 106 rec; 45 hrs or cons inst req.*

Sociological and social psychological examination of the patterned and dynamic aspects of marital and family relationships.

263 DEVIANT BEHAVIOR 3*SOA 106 rec; 45 hrs or cons inst req.*

Causes, societal response and control of deviant behavior. Definition of deviant acts, stigmatization, and the process of reabsorbing deviants.

264 MINORITY RELATIONS 3*SOA 106 rec; 45 hrs or cons inst req.*

Racial, national, religious minorities, and women. Patterns of discrimination and prejudice, and change in intergroup relations.

267 POPULATION US-5 3*SOA 106 rec; 45 hrs or cons inst req.*

Dynamics and policy implications of United States and world population size and change including fertility, mortality, migration, composition, spatial distribution, future trends, and relation to resources.

268 SOCIOLOGY OF RELIGION US-5 3*SOA 106 rec; 45 hrs or cons inst req.*

Functions and origins of religion; impact of religion on individual, society, and culture: social forces affecting religion.

270 HISTORY OF SOCIOLOGICAL THOUGHT 3*SOA 106 rec; 45 hrs or cons inst req. Maj only or cons dept advisor.*

Analysis and appraisal of classical works in sociology from mid-19th century to the present.

271 INTRODUCTION TO SOCIOLOGICAL RESEARCH 3*SOA 106 rec; 45 hrs or cons inst req. Maj only or cons dept advisor.*

Convergence of theory and research; design of inquiry, measurement, survey design, data collection, analysis, and interpretation. Research projects are part of the course.

275 SOCIAL STATISTICS 3*MAT 105 or equiv; SOA 271 and Social Work or Sociology-Anthropology maj req. SOA 106 rec; 45 hrs or cons inst req. Not for cr if had PSY 240. Formerly SAS 240.*

Application and interpretation of basic descriptive and inferential statistics used in behavioral research. Non-parametric and parametric statistics are considered.

300 SENIOR SEMINAR 3*SOA 270, 271, 275 or conc reg req; 75 hrs or cons inst req. Sociology maj; sr standing.*

Analysis of a major social institution, such as law, morality, or the family in relation to the larger society and its culture.

300.01 SOCIAL SCIENCE SEMINAR 3*Social Sciences maj. ECO 131 or GEO 204 or HIS 200 or 296 or POS 209 or SOA 271 req; completion of at least 1 course in 5 of the 7 program areas (American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History) req; completion of at least 12 hours of senior-level social sciences courses req. Also offered as ECO/GEO/HIS/POS 300.01.*

An intensive examination of selected urban issues from an interdisciplinary social science perspective, culminating in a capstone student research project.

311 ISSUES IN GERONTOLOGY 3*SOA 211 or cons inst req; 75 hrs or cons inst req.*

Advanced treatment of selected subjects in gerontology.

317 SOCIOLOGY OF SPORT 3*75 hrs or cons inst req. Also offered as HPR 317.*

The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups, and collective behavior.

332 SMALL GROUPS 3*SOA 131 or PSY 131 rec; 75 hrs or cons inst req.*

Conditions affecting interaction in small groups; the small group as an ongoing social system. Limited research project.

341 SOCIOLOGY OF SEX ROLES 3
SOA 106 or PSY 111 rec; 75 hrs or cons inst req.
 Application of culture concepts, status, role and self concepts, and socialization concepts toward the explanation of sex differences in social behavior. Institutionalized and social change processes are examined.

342 ADVANCED HUMAN SEXUALITY 3
PSY 123 or SOA 123 req; 75 hrs or cons inst req.
 Personal, interpersonal, and sociocultural aspects of sexual relationships.

350 SOCIOLOGY OF EDUCATION 3
SOA 106 rec; 75 hrs or cons inst req.
 Sociological perspective on educational systems. Relationship of the educational system to other institutions, organizational characteristics and social factors influencing behavior of students.

352 THE SOCIOLOGY OF COMPLEX ORGANIZATIONS 3
SOA 106 req; 75 hrs or cons inst req.
 Internal and external dimensions of complex organizations that help explain adaptation to the environment.

355 INDUSTRY AND SOCIETY 3
SOA 255 req; 75 hrs or cons inst req.
 Sociological theories are used to understand how technological advancement influences social forces, and produces unique cultural patterns in modern industrial societies.

361 URBAN SOCIOLOGY 3
SOA 261 or 267 or equiv or cons inst req; 75 hrs or cons inst req.
 Urban structure and dynamics studied from a macro perspective, stressing interaction of population, organization, environment, and technology.

365 JUVENILE DELINQUENCY 3
75 hrs or cons inst req.
 Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment.

366 CONTEMPORARY SOCIAL MOVEMENTS 3
SOA 106 rec; 75 hrs or cons inst req.
 Patterns of collective behavior; structure and functions of social movements. Examination of several social movements, analysis of morale, leadership and control.

367 CRIMINOLOGY 3
75 hrs or cons inst req.
 Criminological theory and practice. Crime as a social and legal problem. The administration of justice.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP/COOP IN APPLIED SOCIOLOGY 3-6 F,S
SOA 271 or equiv rec; 75 hrs or cons inst req. Max 6 hrs toward Sociology maj; max 16 hrs toward graduation.

Independent experience in applying sociology in a supervised community work setting. Academic requirements include final paper for sociology advisor based on qualitative research project sociological integrative analysis of the experience.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP/COOP IN SOCIOLOGICAL RESEARCH 3 F,S
SOA 271 and 275 or conc reg rec; 75 hrs or cons inst req. May be repeated once.

Practical experience in the design, implementation, analysis, and reporting of social science research through surveys, secondary data analysis, demographic analysis and program evaluation in a research project, usually in cooperation with a community agency.

Anthropology Courses

180 INTRODUCTION TO CULTURAL ANTHROPOLOGY US-5 3 F,S
 The origin and evolution of social and cultural life. Concepts and theories used to explain similarities and differences in lifestyles around the world.

181 WORLD PREHISTORY 3 F,S
 Survey of prehistoric human cultures from their origins to the beginning of the historic period.

182 INTRODUCTION TO PHYSICAL ANTHROPOLOGY US-3 3 F,S
Lecture and lab.

Introduction to the evolutionary and biological nature of humans, physical attributes, primate and human evolution, human variation and adaptation, and the interrelationship of human biology and behavior.

184 CULTURES OF THE WORLD US-8 3 F,S
Not for cr maj.

Surveys a sample of cultures and their solutions to universal human problems.

272 NORTH AMERICAN INDIANS US-8 3 S
SOA 180 rec; 45 hrs or cons inst req.

Comparative survey of selected historic and modern Native American cultures.

273 FOODWAYS 3
SOA 106 or 180 or PSY 111 req; 45 hrs or cons inst req.
 Comparative study of food habits with emphasis on origins and cultural significance.

274 PRINCIPLES OF ARCHAEOLOGY 3 S
SOA 181 rec; 45 hrs or cons inst req.

Principles, methods, and techniques of locating and excavating archaeological sites, interpreting archaeological data, and reconstructing past behavior.

277 LANGUAGE AND CULTURE 3
SOA 180 rec; 45 hrs or cons inst req.
 Examination of the social and cultural functions of language, applying anthropological linguistic models to the study of past and present cultures.

- 279 MAGIC, WITCHCRAFT, AND RELIGION** 3
SOA 106, 180 or 184 rec; 45 hrs or cons inst req.
 Overview of anthropological approaches to the cross-cultural study of religion and the supernatural.
- 281 PRINCIPLES OF ETHNOLOGY** 3 S
SOA 180 req; 45 hrs or cons inst req.
 The major aspects of sociocultural systems such as marriage, domestic organization, age grades, secret societies, and religion studied from a cross-cultural perspective using a variety of theoretical frameworks.
- 283 NORTH AMERICAN ARCHAEOLOGY** 3
SOA 181 or 274 rec; 45 hrs or cons inst req.
 Prehistoric cultures of North America, from late Pleistocene to the occupation of the continent by Europeans. Origin and development of cultural patterns traced; current problems examined.
- 285 ETHNOGRAPHY** 3 F
SOA 180 req; 45 hrs or cons inst req.
 Study of the techniques used to describe cultural practices and beliefs.
- 286 PALEOANTHROPOLOGY** 3 F
SOA 182 rec; 45 hrs or cons inst req. Formerly HUMAN EVOLUTION.
 Detailed survey of the principal fossil discoveries, controversies, and proposed models of human biological evolution.
- 288 HUMAN VARIATION AND ADAPTATION** 3 S
SOA 182 rec; 45 hrs or cons inst req. Offered of odd-numbered years. Alternates with SOA 290.
 Study of human population variation in terms of biological and cultural adaptations to different environments.
- 290 PRIMATE STUDIES** 3 S
SOA 180 or 182 rec; 45 hrs or cons inst req. Offered of even-numbered years. Alternates with SOA 288.
 Concentrated examination of various aspects of the primates: their biology, behavior, evolution, and significance for understanding human nature.
- 294 JAPANESE SOCIETY AND CULTURE** 3
SOA 180 rec; 45 hrs or cons inst req.
 Examination of modern Japanese culture, social structure, and institutions from an anthropological perspective.
- 295 PEOPLES AND CULTURES OF SUBSAHARAN AFRICA** 3 S
SOA 180 or 184 rec; 45 hrs or cons inst req.
 An ethnographic survey of African peoples and cultures south of the Sahara, focusing on the indigenous African context.
- 297 FANTASTIC ARCHAEOLOGY** 3
SOA 181 and 274 or cons inst req.
 Survey of the pseudo-scientific theories of the archaeological past.
- 300.01 SOCIAL SCIENCE SEMINAR** 3 F
Social Sciences maj; jr standing; 20 hrs of social science or cons inst or Social Sciences advisor; 75 hrs or cons inst req. Also offered as ECO/GEO/HIS/POS 300.01.
 An intensive interdisciplinary study of a selected area in the social sciences, including a research project.
- 306 REGIONAL AND AREA STUDIES** 1-9
75 hrs or cons inst req.
 Intensive on-site study of particular lands, environments, cultures, and peoples.
- 374 INTRODUCTION TO MUSEUM STUDIES** 3 F
Jr standing and 75 hrs or cons inst req.
 Examination of the history, organization, and administration of museums as well as the methods of acquisition, preservation and exhibition of artifacts.
- 380 KEY CONCEPTS IN ANTHROPOLOGY** 3 F
2 of the following: SOA 274, 281, 286, and 75 hrs or cons inst req.
 Anthropological thought from historical, systematic and applied viewpoint; emphasis on changing content, concepts, methods of the discipline.
- 381 ARCHAEOLOGICAL FIELD SCHOOL** 1-9 Summer
SOA 181 and 274 rec; 75 hrs or cons inst req. Materials charge optional.
 Field instruction in methods and techniques of archaeological survey, excavation, preparation and preservation of materials, and record keeping.
- 382 SENIOR THESIS IN ANTHROPOLOGY** 3 S
Sr standing; 75 hrs or cons inst req.
 Intensive experience in research and writing on an individually selected topic.
- 383 STUDIES IN SELECTED CULTURES** 3
SOA 180 and 75 hrs or cons inst req.
 Culture patterns of selected areas. Physical characteristics, history, social, political, intellectual life, cultural change of aboriginal people.
- 386 METHOD AND THEORY IN ARCHAEOLOGY** 3
SOA 180 and 75 hrs or cons inst req.
 Archeological method and theory from 1800 to the present, emphasizing American archaeology.
- 388 HISTORICAL ARCHAEOLOGY** 3
SOA 274 and 75 hrs or cons inst req.
 Research methods of historical archaeology reviewed, and the principles that underlie the methods examined critically.
- 398 PROFESSIONAL PRACTICE: INTERNSHIP/CO-OP IN ANTHROPOLOGY** 3-6 F,S,Summer
21 hrs in Anthropology; jr/sr standing; 2.5 maj GPA; cons Anthropology Prof Pract Coord or faculty advisor; 75 hrs or cons inst req. Max 6 hrs toward Anthropology Maj; max 16 hrs toward graduation.
 Supervised field experience in a professional capacity in any Anthropology subdiscipline with appropriate campus, community, state, national, or international agencies, museums, institutes, organizations, or businesses.

SPEECH PATHOLOGY AND AUDIOLOGY (PAS)

204 Fairchild Hall, (309) 438-8643

Chairperson: Al Bowman.

Tenured/Tenure-track Faculty:

Professors: Hult, Tannahill.

Associate Professors: A. Bowman, Brunt, Hufnagle, Moore, Smoski.

Assistant Professors: Beck, Howard.

General Department Information

MINOR IN COGNITIVE SCIENCE

The Department of Speech Pathology and Audiology participates in the degree program for the Minor in Cognitive Science. Several courses offered by the Department contribute to the minor. For further information, please consult the Department advisor as well as the section entitled "Minor in Cognitive Science" under Interdisciplinary Studies in this *Undergraduate Catalog*.

HONORS IN SPEECH PATHOLOGY AND AUDIOLOGY

Honors work in communicative disorders and speech and hearing science is available to qualified students. For additional information, contact the Department advisor.

Speech Pathology and Audiology Programs

Degree Offered: The B.S. programs are accredited by the American Speech-Language-Hearing Association.

MAJOR IN SPEECH PATHOLOGY AND AUDIOLOGY

Teacher Certification Sequence:

- 49 hours in Speech Pathology-Audiology required.
- Required courses: PAS 112 (or 115 if completed prior to declaring a major in Speech Pathology and Audiology), 211, 272, 301, 315, 316, 318, 319, 320, 321, 322, 330, 331, 349, 350, 351.
- Professional Education requirements: SED 145; C&I 220 or SED 362 or 370 or 374; C&I 210; EAF 228 or 231 or 235; PSY 111, 334, 346.

This is a Teacher Education, preprofessional program designed to prepare students for graduate work in communicative disorders. A master's degree in this field is needed to obtain both the Illinois Certificate in Speech and Language Impaired and the American Speech-Language-Hearing Association's clinical certificate. Copies of requirements for both of these are available in the Department office. All supervised Clinical Experiences are obtained at the graduate level.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Speech Pathology Sequence:

- 49 hours in Speech Pathology-Audiology required.
- Required courses: PAS 112 (or 115 if completed prior to declaring a major in Speech Pathology and Audiology), 211, 272, 301, 315, 316, 318, 319, 320, 321, 322, 330, 331, 349, 350, 351.
- Consult Department advisor and Department Advisement Manual for selection of appropriate electives that meet the Illinois license and national certification requirements.

This is a *non-teaching*, preprofessional program designed to prepare students for graduate work in speech-language pathology. This sequence does not qualify students for a teaching certificate. All supervised Clinical Experiences are obtained at the graduate level.

Audiology Sequence:

- 40 hours required. **NOTE:** Because of prerequisites or lack of prior skill, this major may require more hours than indicated.
- Required courses: Speech Pathology and Audiology 112 (or 115 if completed prior to declaring a major in PAS) 211, 272, 301, 315, 318, 320, 321, 330, 331, 349, 350, 351.
- Consult Department advisor and Department Advisement Manual for selection of appropriate electives that meet national certification requirements.

This is a *non-teaching*, preprofessional program designed to prepare students for graduate study in Audiology. This sequence does not qualify the student for a teaching certificate. Upon completion of the master's degree, the student will have completed the academic and clinical requirements for the American Speech-Language-Hearing Association's Certificate of Clinical Competence in Audiology. All supervised Clinical Experiences are obtained at the graduate level.

MINOR IN SPEECH PATHOLOGY AND AUDIOLOGY

- 21 hours required.
- Required courses: PAS 211, 315, 320, 350. Electives cannot include practicum courses.
- **NOTE:** Students taking this minor will not qualify in this area for Illinois or American Speech-Language-Hearing Association certification.

Assessment:

Majors in Speech Pathology and Audiology are expected to participate in the assessment process as one of the requirements for an undergraduate degree in this Department.

Speech Pathology and Audiology Courses

112 SURVEY OF SPEECH AND HEARING DISORDERS

3 F,S

Incl Clin Exp: 8 hrs, Type 1.

Introduction to speech, language and hearing disorders. Appropriate for persons interested in the prevention and basic remediation of communication disorders.

115 HUMAN VERBAL DEVELOPMENT

US-7 3 F,S

May substitute for PAS 112 as a req for the maj if taken before the maj is declared. Incl Clin Exp. Formerly INTRODUCTION TO HUMAN VERBAL DEVELOPMENT.

The study of human communication, including the anatomy and physiology of speech and hearing, with an emphasis on speech and language development in children and the role of caregivers in the acquisition process.

211 PHONETICS

3 F,S

Incl Clin Exp: 5 hrs, Type 1.

Sound system of American speech. Standard and non-standard variations. Articulatory and acoustic considerations. Practice in transcribing and reading phonetic symbols.

272 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM

4 F,S

Lecture and lab.

Anatomic and physiologic foundation of the speech and hearing mechanism. Current physiologic theory applied to etiology of speech and hearing disorders.

301 SPEECH SCIENCE

3 F,S

PAS 272 req.

Elementary acoustical theory with application to the study of speech production and reception. Speech spectrography.

310 NEUROBASIS OF SPEECH AND LANGUAGE

3 F,S

PAS 272 req.

Study of the anatomy and physiology of the central and peripheral nervous systems and their role in the production of speech and the normal comprehension and expression of language.

315 INTRODUCTION TO PHONOLOGICAL DISORDERS

3 F,S

PAS 211 req. Incl Clin Exp: 4 hrs, Type 1.

Phonological development, the articulatory process, co-articulation, characteristics and etiologies of phonological disorder.

316 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH

3 S

PAS 301 req. Incl Clin Exp: 5 hrs, Type 1.

Speech disorders related to respiratory-laryngeal and articulatory-resonance systems. Diagnostic and remedial procedures.

318 ORGANIZATION OF SPEECH, HEARING AND LANGUAGE PROGRAMS

3 F,S

Sr standing req.

Professional attitudes, ethics, and organizations. Responsibilities in various professional settings. Program development and maintenance.

319 STUTTERING I

3 F,S

Sr standing req. Incl Clin Exp: 2 hrs, Type 1.

Theories of etiology; the nature of the disorder, profile of the person who stutters, and an introduction to intervention strategies.

320 SPEECH AND LANGUAGE DEVELOPMENT

3 F,S

PAS 211; 112 or 115, or cons inst req. Incl Clin Exp: 5 hrs, Type 1.

Comprehensive study of acquisition of speech and language by children. Emphasis on first 6 years.

321 LANGUAGE PATHOLOGY

3 F,S

PAS 320 req. Incl Clin Exp: 5 hrs, Type 1.

Introduction to the identification and remediation of language disorders in children and adolescents.

322 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH II

3 F,S

PAS 272 req. Incl Clin Exp: 5 hrs, Type 1.

Speech and language disorders related to neurological pathologies. Diagnostic and remedial procedures.

330 INTRODUCTION TO CLINICAL METHODS

3 F,S

PAS 331; maj only. Incl Clin Exp: 15 hrs, Type 1.

Introduction to clinical techniques and client management. Records, reports, behavioral observation and assessment, therapy procedures and some laboratory experience.

331 DIAGNOSTIC PROCEDURES IN SPEECH PATHOLOGY

3 F,S

PAS 315 and 321 req; maj only. Incl Clin Exp: 5 hrs, Type 1. Formerly PAS 446.

Test materials and procedures for differential diagnosis of speech and language problems.

349 HEARING SCIENCE

3 F,S

Introduction to concepts, theories, and terminology required for an understanding of auditory processing in the normal-hearing individual.

350 INTRODUCTION TO AUDIOLOGY

3 F,S

PAS 349 req. Incl Clin Exp: 4 hrs, Type 1.

Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation.

351 INTRODUCTION TO AURAL REHABILITATION TRAINING

3 F,S

PAS 350 req. Incl Clin Exp: 4 hrs, Type 1.

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use.

360 AUGMENTATIVE COMMUNICATION FOR NON-SPEAKING PERSONS

3 S

PAS 316 and 322 req. Incl Clin Exp: 5 hrs, Type 1.

Introduction to assessment, intervention strategies, technology and empirical research relative to non-speaking individuals.



COLLEGE OF BUSINESS

Dean: Dixie L. Mills, 316 Williams Hall.

Objectives:

The mission of the College of Business is to provide high quality undergraduate and graduate business programs, support research and scholarly activity consistent with such programs, and establish mutually productive relationships with the business community.

The College offers programs leading to the bachelor's degree with majors in Accounting, Administrative Systems and Office Technology, Business Administration, Business Education, Finance, Insurance, International Business, Management, and Marketing. Minor programs are also available. All eligible programs in the College of Business are accredited by the American Assembly of Collegiate Schools of Business.

The College also offers graduate programs leading to the Master of Science in Accounting and Master of Business Administration. Detailed information concerning these programs may be found in the *Graduate Catalog*.

With careful planning and coordination between colleges and departments, qualified students may complete an undergraduate nonbusiness major and a Master's of Business Administration in five years.

Departments in the College of Business are: Accounting; Business Education and Administrative Services; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing.

Admission Requirements:

Students will be admitted into majors in the College of Business from the pool of qualified applicants for that major on the basis of individual qualifications. The number of students admitted into specific programs and the criteria required for admission may vary from year to year depending on program capacity and qualifications of students in the pool. The College of Business reserves the right to maintain a balanced enrollment.

- A. Freshmen must meet the following University admission requirements for this *Undergraduate Catalog*: No minimum ACT required for students in the top quarter of their high school class; an enhanced ACT score of 17 if they are in the second quarter of their high school class; and an ACT score of 23 for those in the third quarter. It is recommended that students have 2 years of the same foreign language.
- B. Transfer students must meet the University admission requirements for transfer students.
- C. Students transferring from other majors in the University may choose a College of Business major of their choice if their GPA at Illinois State University is 2.0 or higher.
- D. Students may continue in their chosen major in the College of Business if they achieve the following in an interim assessment of their academic preparation.
 - Complete all of the following tool courses with a grade of "C" or higher and achieve a 2.0 GPA in these 8 courses: ENG 101; ECO 101, 102; MAT 121 or 145; MQM 100 or ECO 131; ACC 131, 132, and 166. Students planning to complete the Business Education

Major must complete BEA 140, Business Communications, instead of MAT 121.

- Complete 9 hours of 200-level business courses: FIL 240; MKT 230; and MQM 220 with a minimum of a "C" in each and a 2.0 GPA in these 9 hours.
- Accounting majors also must complete ACC 230 and 231 with a minimum of a "C" in each and a 2.5 GPA in these 2 courses. ACC 230 and 231 require a minimum 2.5 GPA in ACC 131 and 132.
- Business Education majors should note that they must be admitted to the Teacher Education program which requires a 2.5 GPA to complete the major.
- Students must have a 2.0 GPA or above at Illinois State University.
- Students who do not meet the previously stated criteria will not be permitted to continue in additional business courses without permission of the College of Business.

Academic Requirements:

The academic requirements of the University apply to all of the programs in the College of Business. In addition, the following special academic requirements apply to all students in the College of Business:

1. Students must complete at least 42 hours of the total 120 hours required for graduation in studies other than business, economics, and administration.
2. Students majoring in business must complete their senior year (30 credits) in residence at Illinois State University. Under unusual circumstances, the Dean of the College of Business may grant a modification of this requirement.
3. Students must take courses and their current prerequisites in the required sequence.
4. Students may, during the preregistration period only, enroll in a 200-level course in the College of Business with less than 60 hours if 60 hours will be completed when the course begins. A 300-level course requires a minimum of 60 hours earned toward the baccalaureate degree at the time of such pre-enrollment.
5. To remain in and receive credit for an upper division course a student must have earned at the time the course begins a minimum of 60 hours of credit for a 200-level course and a minimum of 75 hours of credit for a 300-level course.
6. Students who go on probation a second or subsequent time will be dropped from the College of Business.
7. Students-at-large and unclassified students must apply for permission from the College of Business to register for business courses. Such students will be required to furnish official transcripts which show the prerequisites for the courses in which the student is asking for permission to enroll. Some courses in the College have restricted and/or limited enrollments and thus may not be open to students-at-large.
8. A student may register officially for a given course in the College of Business only twice. That is, if a student completes a course or drops a course after the tenth day enrollment report, he or she may enroll officially in that course one additional time. A student who earns a grade (A, B, C, D, F, WX) in an Illinois State University course cannot transfer the equivalent course from another school.

Transfer Requirements:

In addition to the general requirements of the University and the College, the following requirements apply to transfer students from other academic institutions seeking a Business degree:

1. Credit for business and related courses from 2-year institutions may be transferred and applied to the Business core and to the major program but shall be limited to such courses that the College of Business offers at the 100-level (lower-division freshman and sophomore).
2. Credit for business and related courses from baccalaureate degree granting institutions may be transferred and applied to the business core and to the major if the course for which the credit is being transferred is at the equivalent level of the comparable course at Illinois State and course content and prerequisites are determined to be equivalent.
3. In cases where equivalency of courses is not clear, departments in the College of Business may require proficiency examinations before transfer credit is accepted.

Non-Business Majors:

Non-business majors are limited to no more than 25 percent (30 credits) of their coursework in business. Students who desire to elect more than 24 hours in business courses must register for additional courses in person only and with permission of the College of Business advisor.

Course Requirements for Business Programs:

The courses listed below (39 hrs total) are a required part of the Business core and must be completed by all students majoring in Business programs.

ACC 131	Elementary Accounting I
ACC 132	Elementary Accounting II
ACC 166	Business Information Systems
BEA 240	Report Writing For Business
FIL 208	Legal Environment of Business
FIL 240	Business Finance
MKT 230	Introduction to Marketing Management
MQM 100	Business and Economic Statistics
MQM 220	Business Organization and Management
MQM 227	Production Management
MQM 385	Problems in Business
ECO 101	Principles of Microeconomics
ECO 102	Principles of Macroeconomics

Majors in Business Education take alternate courses to meet the requirements for BEA 240 and MQM 227 as specified under each program's requirements.

International Business

College of Business, Dean's Office
315 Williams Hall, 5500 College of Business.

Degrees Offered: B.A., B.S.

The Baccalaureate program in International Business is designed to provide a specialized curriculum for students interested in business who wish to prepare themselves for international careers within multinational corporations. This interdisciplinary program, administered by the College of Business, combines coursework in general and international business, foreign language, and area studies. Through a specific concentration (i.e., in Finance, Marketing, Management, etc.) the program gives students a fundamental understanding of a functional area of business. Four specifically required International Business courses provide solid exposure to the unique dynamics of doing business across

multiple national boundaries. Area studies and foreign language requirements provide students with supporting exposure to international studies and culture, important elements in International Business. Supporting study abroad opportunities further enhance students' international experience.

The International Business program is divided into a common Business core applicable to all students, the International Business core, the Foreign Languages requirement, a concentration in a functional area, and area studies requirements. Forty two hours of coursework must be taken outside of the College of Business.

MAJOR IN INTERNATIONAL BUSINESS

- Required courses: General Business core: ACC 131, 132, 166; BEA 240; ECO 101, 102; FIL 208, 240; MAT 121; MKT 230; MQM 100, 220, 227, 385.
- Required courses: International Business: INB 190; FIL 344; MKT 238; MQM 350.
- International Business electives: Select 2 of the following courses: INB 245 or 287; FIL 312; ACC 340; ECO 345; BEA 345.
- Foreign Languages requirement: All students must take 2 language courses at least through the 116-level, regardless of level of proficiency (proficiency credit may not be used in the major).
- Business Functional Area Concentration requirement: 3 additional courses in 1 of the following areas: Finance, Insurance, Management, Marketing, Business Information Systems, Accounting, and ASOT. These courses must be from a list recommended by the department involved.
- Area Studies requirement: 2 courses from 2 departments such as Geography, History, Interdisciplinary Studies, and Political Science. Possible electives include: ECO 210, 310; ENG 110, 122, 219, 388; GEO 135, 150, 230, 240, 245, 255; HIS 102, 125, 126, 127, 228, 229, 232, 234, 236, 237, 260, 263, 275, 279, 342, 344, 345, 361, 362, 366, 375; IDS 103, 104, 107, 110, 189; PHI 207, 208; POS 141, 145, 151, 241, 242, 246, 247, 254, 263, 344, 345, 347, 348, 354.

MINOR IN INTERNATIONAL BUSINESS

A minor in International Business is only available to students who major in the College of Business.

- 22 hours required.
- 9 hours to be chosen from ACC 340; BEA 345; FIL 312, 344; INB 245; MKT 238; MQM 350.
- 4 hours required in Foreign Languages at least at the 115-level; 9 hours of approved area studies electives from at least 3 departments. Possible electives are listed under Area Studies Requirements in the International Business Major.

BUSINESS STUDY ABROAD

The College of Business has partner institutions in England, France, and Mexico. The College sponsors its own 4 to 6 week group study abroad programs in each of the 3 countries. Individual semester and academic year study abroad options are available in a larger number of countries. Students should consult the International Business advisor for the transfer of credit earned at individual semester and academic year abroad programs.

The intensive group programs run by the College during the summer are conducted in English at the partner universities. For these programs, students earn 6 credits for 2 courses (IDS 189, Interdisciplinary Studies and INB 245, Business Studies Abroad).

The College's partner universities abroad are:

The University of the West of England.....Bristol, England
 Instituto Tecnológico y de Estudios
 Superiores de Monterrey (ITESM).....Queretaro, Mexico
 Ecole Supérieure d'Agriculture (ESA).....Angers, France

International Business Courses

- 190 INTRODUCTION TO INTERNATIONAL BUSINESS** 3
Soph standing and ECO 101 (microeconomics) or ECO 102 (macroeconomics).

Provides basic knowledge of theory and practice in International Business; lays the foundation for specialized upper-division courses in International Business.

- 245 BUSINESS STUDY ABROAD** up to 6 hours Summer
Jr standing; cons coord req. 3 hours may count as major elective in the areas the following programs: Business Administration, Finance, Insurance, International Business, Management, and Marketing.

Encompasses any studies related to College of Business Summer Studies Abroad.

ACCOUNTING (ACC)

435 Stevenson Hall, (309) 438-7651

Chairperson: James E. Moon.

Tenured/Tenure-track Faculty:

Professors: C. Craig, T. Craig, T. Duffy, Lammers, Moon, Rexroad, Rozanski.

Associate Professors: Leinicke, McClure, McKean, Ostrosky, Patten, Razaki, Sieg.

Assistant Professors: Ames, Crampton, W. Duffy, Love, Sarathy.

General Department Information

The mission of the Department of Accounting is to provide high quality educational programs to students preparing for professional careers in accounting and business information systems, to support research and other scholarly activities consistent with these programs, and to establish mutually productive relationships with outside organizations through service activities. This mission includes providing service courses in the accounting and business information systems areas to students within the College, the University, and the Community.

The curriculum is designed to provide students with the common body of knowledge established by the accounting profession for those entering the profession.

Two sequences of study are offered: the Financial Accounting Sequence and the Business Information Systems Sequence. Each sequence is intended to provide its graduates with the necessary foundation for a successful career, including the ability to pass professional examinations.

Students should select a sequence based upon their interests and career goals. Department advisors and faculty members are available to counsel students as they make this decision.

All Accounting majors must complete at least 42 hours outside the College of Business and in subject areas other than business, economics, and administration as part of the 120 hours required for graduation.

Courses completed in the Department of Accounting at this University with grades below "C" will not count toward the graduation requirements of either the Accounting Major or Minor, but all grades of "D," "F," and "WF" in Accounting courses at this University will be included in computing the cumulative GPA.

Admission Requirements:

All majors in the Department of Accounting must meet the academic, admission, and transfer requirements of the College of Business. Non-majors must have the prerequisites, including the specific number of hours, to enroll in courses in the Department. Certain courses are restricted to Accounting majors only.

Admission to the Department of Accounting is on a competitive basis with preference given to students who have demonstrated an ability to complete successfully the degree requirements. Enrollments in the Department are managed to help assure a high quality educational experience for qualified Accounting majors.

The Department of Accounting reserves the right to maintain a balanced student enrollment.

Students considering Graduate School should make application to the Master of Science in Accounting Degree program early in their senior year. Students who previously have completed a baccalaureate degree outside of Accounting should consider making application directly into the Master of Science in Accounting program.

Accounting Programs

MAJOR IN ACCOUNTING

Degree Offered: B.S.

An Accounting major must complete requirements under 1 of the following sequences.

Financial Accounting Sequence:

This sequence is designed to meet the minimum formal requirements for a student to sit for the Certified Public Accountant (CPA) examination. Students in this sequence may also prepare to sit for the Certified Management Accountant (CMA) examination and/or the Certified Internal Auditor (CIA) examination.

Students selecting the Financial Accounting Sequence must complete the following: ACC 131, 132, 166, 230, 231, 232, 233, 235, 263, 330; BEA 240; FIL 208, 209, 211, 240; MKT 230; MQM 100, 220, 227, 385; COM 110, 227; ECO 101, 102; MAT 121 or 145. **NOTE:** MAT 120 is a prerequisite for MAT 121.

Also required are 3 hours of upper-division (200- or 300-level) Accounting electives.

Business Information Systems Sequence:

This sequence is designed to prepare students for entry level accounting positions requiring significant training in Business Information Systems. This preparation is particularly valuable in accounting consulting positions, certain auditing positions, and in many progressive industrial positions.

Students selecting the Business Information Systems (BIS) Sequence must complete the following: ACC 131, 132, 166, 230, 231, 232, 233, 235, 261, 266, 330, 362, 366; BEA 240; FIL 208, 240; MKT 230; MQM 100, 220, 227, 385; COM 110, 227; ECO 101, 102; MAT 121 or 145. **NOTE:** MAT 120 is a prerequisite for MAT 121.

NOTE: Students in either sequence who wish to enhance their chances of success on the CPA examination should include in their plan of study the following advanced Accounting and Business Law courses: ACC 334, 336, 337, 375; FIL 209, 211.

Future Requirement For CPA Exam:

Beginning in 2001, academic requirements to sit for the CPA examination in Illinois include (1) 150 semester hours of college coursework and (2) a bachelor's degree in Accounting. Illinois law does not specify the content of coursework beyond the Accounting baccalaureate degree, which Illinois State presently offers as a 120-hours B.S. program.

Students planning to sit for the CPA examination after 2000 are advised to complete, at a minimum, the Financial Accounting Sequence of the Accounting B.S. program. Students should also give serious consideration to completing one or more of the following formal programs of study before leaving the Illinois State campus to begin their professional careers: a Master of Science degree in Accounting, a Master of Business Administration degree, or the Business Information Systems Sequence of the Accounting B.S. (a 12-hour sequence beyond the Financial-Accounting Sequence). Additional information concerning the 150-hour requirement, including recommended areas of coursework for students not pursuing an M.S. or M.B.A. degree, is available from academic advisors.

MINOR IN ACCOUNTING

- 21 hours in Accounting required.
- Required courses: ACC 131, 132, 231, 232.
- 9 elective hours in Accounting courses approved by a departmental advisor.

Repetition of Courses in Accounting:

A student can register officially for an Accounting course only twice. That is, if a student completes a course, or drops a course after the official tenth day enrollment report, he or she may enroll officially in the same Accounting course only one additional time.

Accounting Courses

131 ELEMENTARY ACCOUNTING I 3 F,S
Introduction to financial accounting. Examines the nature of accounting, basic accounting concepts, financial statements, accrual basis of accounting, the accounting cycle, monetary assets, inventories, fixed assets, current and noncurrent liabilities, and owner's equity.

132 ELEMENTARY ACCOUNTING II 3 F,S
ACC 131 req.

Introduction to managerial accounting. Examines the nature of cost-volume-profit analysis and product costing; investigates budgets and standard costs in planning, control and performance measurements; and employs relevant costs and present value techniques in decision making.

160 COMPUTER PROGRAMMING FOR BUSINESS 3 F,S

Introduction to design and development of computer programs for business applications; emphasis on learning program structure and syntax of a high-level computer language. Graphical User Interface (GUI) introduced.

166 BUSINESS INFORMATION SYSTEMS 3 F,S
Business maj only. Materials charge optional. Formerly BUSINESS DATA PROCESSING.

Introduction to Business Information Systems concepts and microcomputer software tools designed to improve management productivity.

230 MANAGERIAL ACCOUNTING 3 F,S
ACC 132 and MAT 121 req; min of 2.5 GPA in ACC 131 and 132 req; B or higher in ACC 131 and 132 rec.

Study of managerial accounting concepts in planning, control and decision making. Emphasis on product costing methods, cost drivers, cost-volume-profit analysis, budgets, standard costs, just-in-time implications, relevant costs and capital budgeting decisions.

231 INTERMEDIATE ACCOUNTING I 3 F,S
ACC 132 req; min of 2.5 GPA in ACC 131 and 132 req; B or higher in ACC 131 and 132 strongly rec.

The study of financial accounting theory and practice relating to monetary assets, inventories, plant assets, intangible assets, current liabilities, contingencies, and stockholders' equity. Present value applications, and preparation of financial statements are examined. The following topics are also overviewed: the environment of financial accounting, the development of accounting standards, and the conceptual framework underlying financial accounting.

232 INTERMEDIATE ACCOUNTING II 3 F,S
C or higher in ACC 231 req.

The study of financial accounting theory and practice relating to the following topics: long-term liabilities, dilutive securities, earnings per share, investments, revenue recognition, accounting for income taxes, pension costs, leases, accounting changes, errors, and the preparation of cash flow statements.

233 FEDERAL INCOME TAXATION 3 F,S
ACC 131 or cons dept chair req.

Study of the basic concepts of federal income taxation as they apply to individuals. Overview of corporate and partnership taxation also provided.

235 AUDITING 3 F,S
Accounting maj only; C or higher in ACC 231 req.

The CPA profession, including professional ethics and legal liability; professional auditing standards; evidence; internal control; audit programs and procedures; audit reporting; introduction to operational auditing.

261 BUSINESS SYSTEMS ANALYSIS 3 F,S
ACC 132 and 166 req.

An introduction to the analysis and design of modern information systems. Systems Development Life Cycle (SDLC) and structured methodologies are emphasized.

263 ACCOUNTING INFORMATION SYSTEMS 3 F,S
Accounting maj only; ACC 132 and 166 req. Materials charge optional.

An overview of computerized accounting information system analysis, design, and implementation. This includes the characteristics of internal control in a computerized information processing environment. Covers selected advanced electronic spreadsheet concepts.

266 COBOL 3 F,S*ACC 166 or equiv req. Not for cr if had ACS 272.*

The study of using the COBOL programming language for the purpose of solving business information requests. Emphasizes structured programming concepts, file processing, report creation, data validation and table handling.

**298 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION IN ACCOUNTING** 1-6 F,S*See internship Director for info and cons.***330 ACCOUNTING FOR
NON-PROFIT ENTITIES** 3 F,S*Accounting maj only; C or higher in ACC 231 req.*

Examination of accounting and financial reporting principles for nonprofit entities including state and local governmental units, colleges, hospitals, and other nonprofit organizations.

**332 ADVANCED MANAGERIAL
ACCOUNTING** 3 F*Accounting maj only; C or higher in ACC 230 req.*

A study of advanced decision models for managerial planning and control. Topics covered include cost behavior and regression analysis, transfer pricing, operations research techniques, accounting systems and internal control. Behavioral and ethical concepts in management accounting are examined.

334 ADVANCED TAX 3 F,S*ACC 233 or cons dept chair req.*

Study of concepts and issues associated with corporate, partnership, estate and gift taxation. Overview of tax research techniques also provided.

336 ADVANCED AUDITING 3 F,S*Accounting maj only; ACC 235 req.*

In-depth analysis of selected advanced topics in auditing, including professional auditing standards, planning, evidence, internal control, statistical sampling, EDP auditing, reporting, integrative audit case, operational auditing.

**337 ADVANCED FINANCIAL
ACCOUNTING** 3 F,S*Accounting maj only; ACC 232 req.*

Specific emphasis on business combinations and consolidated financial statements. Other topics include partnership accounting, international operations, branch accounting, segment reporting and interim statements.

340 INTERNATIONAL ACCOUNTING 3 S*ACC 132 req.*

Examines (1) similarities and differences of accounting principles and procedures between the United States and other countries and efforts at standardizing accounting internationally, and (2) accounting for multinational entities, including consolidation of foreign subsidiaries, evaluation of investment projects, and performance evaluation of foreign operations.

**362 ADVANCED BUSINESS
SYSTEMS ANALYSIS** 3 S*ACC 261 and 366 req.*

The analysis, design, development, and implementation of a complete business information system. Directed project approach with formal presentations at the conclusion of each project phase.

**366 ADVANCED BUSINESS
DATA PROCESSING** 3 F*ACC 266 or ACS 272 req. Not for cr if had ACS 372.*

Advanced study in the development of computer programs and processing techniques required for business information systems. Systems of programs are developed for both main-frame and microcomputer applications.

**368 DEVELOPING BUSINESS
FUNCTION-BASED SYSTEMS** 3 F,S*ACC 160 and 261 req. Also offered as ACS 306, BUILDING APPLICATIONS SYSTEMS.*

Advanced study in the development of computer programs for business work-group and individual employee information systems. Students will design and develop a comprehensive application appropriate for a functional area of business using the approaches and tools of a consultant.

**370 MANAGEMENT INFORMATION
SYSTEMS** 3 S*MQM 220; ACC 131, 166 req. MKT 230 and FIL 240 req; ACC 261 or equiv strongly rec. Formerly MQM 370.*

Management Information systems with emphasis on the responsibilities of management in the creation, control, and utilization of information systems which support managerial decision making.

375 PROFESSIONAL PROBLEMS 3 S*2.8 overall GPA. 24 hrs of Accounting req; ACC 330, 334, 336, 337, or cons dept chair req. Conc reg allowed for only 2 of: ACC 330, 334, or 336. Conc reg in FIL 375 rec.*

An intensive study of contemporary accounting problems with a strong orientation toward the preparation for the CPA and CMA examinations.

**382 CURRENT ISSUES IN BUSINESS
INFORMATION SYSTEMS
CONSULTING** 3 S*ACC 362, 366 or 368 req.*

This capstone course will integrate business information systems concepts necessary for successful business consulting. Management issues relating to the consulting practice will be stressed. Significant use of oral and written reports.

**398 PROFESSIONAL PRACTICE:
INTERNSHIP IN ACCOUNTING** 1-6 F,S*Sr; 2.8 GPA in Accounting courses; 2.8 overall GPA and cons Internship Director.*

On-the-job professional accounting or BIS experience with a sponsoring commercial firm or government organization.

BUSINESS EDUCATION AND ADMINISTRATIVE SERVICES (BEA)

327 Williams Hall, (309) 438-3606**Acting Chairperson:** Stephen Goodwin**Tenured/Tenure-track Faculty:***Professors:* Grogg, Haynes, Nappi, Palmer, Varner.*Associate Professor:* Pomerence.

General Department Information

The Department of Business Education and Administrative Services offers major degree programs in Business Education and Administrative Systems and Office Technology.

The Business Teacher Education program is developed to comply with teacher certification requirements for the State of Illinois. This program prepares graduates for secondary teaching positions, optional special K-12, as well as for positions in training and development for business and industry.

The Administrative Systems and Office Technology program provides graduates with career opportunities in various administrative systems and office automation positions which include (1) Administrator of Information Management, Administrative Systems Supervisor, (2) Director of Office Automation, (3) Training Director for Information Services, (4) Information Database Manager, (5) Technical Support Specialist, (6) Trainer/Course Designer, (7) Software Specialist, (8) Technical Information Specialist, (9) Computer/Information Systems Consultant, (10) Office Automation Consultant, or (11) Information Center Director. Students should note that:

1. Majors within this Department must meet the academic, admission, and transfer requirements of the College of Business. Non-majors must have the prerequisites, including the specified number of hours, to enroll in courses in the Department.
2. At least 42 hours of credit toward the bachelor's degree must be taken outside the College of Business and in subject areas other than business, economics, and administration.
3. While an overall GPA of 2.0 is required for graduation, majors in the Business Education program must have earned a 2.5 GPA for admission to the University's Teacher Education program (see University-wide Teacher Education program requirements in the College of Education section of the *Undergraduate Catalog* for further information). Business Education majors must have a minimum 2.5 GPA in order to be eligible to student teach.
4. For the Business Education program, minimum Clinical Experiences totaling 45 clock hours shall be completed in the Department prior to student teaching. Several courses in the Department include Clinical Experiences; however, it is not necessary to complete all of these courses to satisfy this requirement.
5. Students shall plan programs in consultation with an advisor.
6. Students desiring vocational education certification are required to complete BEA 380 and 382.

Business Education Programs

Degrees Offered: B.A., B.S., B.S. in Ed.

MAJOR IN BUSINESS EDUCATION

- 91 hours required, of which 18 meet University Studies requirements and 26 meet Professional Education requirements. Part of the entitlement program leading to certification by the State of Illinois for teaching business courses in the secondary schools, grades 6-12, and the K-12 certificate is BEA 364 (1 hr); PSY 215 (3 hrs); STT 399.05 (12 hrs); and 10 clock hours of Clinical Experience in the elementary school. (The student teaching

component of the program has 2 parts: a minimum of 5 weeks in an elementary setting and 10 weeks in a secondary setting.) Also, see University-wide Teacher Education program requirements and Teacher Education Admission program sections of the *Undergraduate Catalog* for further requirements.

Required courses:

- Core courses required of all Business Education majors: ACC 131, 132, 166; BEA 140; ECO 101, 102; FIL 208, 240; MKT 230; MQM 100 (or ECO 131), 220; PSY 111; MAT 120 or 144 (see Mathematics prerequisites); and ENG 101. These courses lead to qualifications for teaching Business Communications, Business Mathematics, Business Exploration/Orientation and Business Computer Applications. ECO 101, 102; FIL 208, MAT 120; PSY 111, and ENG 101 may be used to count toward University Studies requirements.
- Professional courses in the Business Education and Administrative Services Department required of all Business Education majors: BEA 260 (2 hrs), 291 (1 hr), 362 (3 hrs), 363 (3 hrs), and 364 (1 hr). These courses must be completed prior to student teaching; they provide 45 clock hours of Clinical Experiences from the 100 clock hours required by the State of Illinois. The approximate number of hours and type of activity associated with each course offering can be found with the appropriate course description in the *Undergraduate Catalog*.
- Professional Education courses: PSY 215; C&I 214, 215, and 216; EAF 228 or 231 or 235; STT 399.05 (26 hrs).
- Required courses for Illinois Teaching Certificate Endorsements: BEA 108 (or passing BEA 108 proficiency exam) and/or 225, 330, 354, and IT 383. Students completing these requirements will automatically receive a K-12 Special Business Education Certificate and 6-12 Business Education Certificate with endorsements in Accounting, Basic Business, and Information Processing. Additional endorsements may be acquired by completing the following:
 1. **Information Processing/Secretarial:** BEA 108 (or passing BEA 108 proficiency exam) and/or 225, 354; IT 383 (students must transfer terminal course in shorthand, notehand, or machine transcription from another institution).
 2. **Business Computer Programming/Systems:** ACC 166, 261, 266; BEA 225.
 3. **Marketing:** MKT 230 and any 2 of the following: MKT 231, 232, 233, 234, 235.
 4. **Cooperative Teacher Coordinator:** BEA 380 and 382 and 2,000 hours of employment experience in the occupational specialty to be taught. (This is highly recommended for those seeking involvement with Education to Careers programs).

MINOR IN BUSINESS EDUCATION

The Minor in Business Education is available only to those in an Education major.

- 23 hours required in the College of Business.
- Required courses: ACC 166; BEA 100, 140, 260 (2 hrs), 362 (3 hrs) or 363 (3 hrs); MQM 100.
- The student must choose 9 hours from 1 of the following areas so that upon completion of the minor the student is qualified for at least 1 teaching certificate endorsement.

1. **Accounting:** ACC 131, 132; FIL 240.
2. **Basic Business:** FIL 208, BEA 330 and 1 of the following: MQM 220; MKT 230.
3. **Information Processing:** BEA 108 (or passing BEA 108 proficiency exam) and/or 225, 354; IT 383.

MINOR IN CONSUMER EDUCATION

The Minor in Consumer Education is available only to those in a Secondary Education Major.

- 24-26 hours required in Business Education and Administration; Family and Consumer Science; Finance, Insurance and Law; Marketing.
- Required courses: BEA 100, 260; FCS 103; or BEA/FCS 330; FCS 333, 360.01 (Consumer Education) or FCS 203; ECO 101, 102; FIL 208; MKT 230, 231. **NOTE:** Appropriate courses may be substituted for required courses with the approval of the Department Chairperson.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Administrative Systems and Office Technology Programs

MAJOR IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY

- 63 hours required in Business (Accounting; Finance, Insurance and Law; Marketing; Management and Quantitative Methods; Business Education and Administration) or other areas specified below.
- Required courses: ACC 131, 132, 166; FIL 208, 240; MKT 230; MQM 100 (or ECO 131), 220, 227, 385; BEA 109 (or equiv), 225, 240, 250, 256, 354, 357. Also required are ECO 101 and 102 and MAT 121, or 145 which may be completed in University Studies.
- 12 additional hours must be chosen from 1 or a combination of the following concentrations and/or sequence with the approval of the departmental advisor:

1. **Communication for Business:** BEA 140, 341, and 2 of the following: COM 123, 225, 227, 228, 240.
2. **Education and Training:** BEA 271, 371, 372 and 1 from the following: COM 227, 240; MQM 323.
3. **Records Management:** BEA 250; COM 363; HIS 395.

- Business Information Systems Sequence: ACC 261, 266, and 2 additional courses from ACC 362, 366, or 370.

An unclassified student or an Administrative Systems and Office Technology Major may select courses that will prepare the student for administrative support positions. Specific information is available in the Department of Business Education and Administrative Services. Unclassified students who are later admitted to a degree program may apply the courses that are listed previously toward graduation. See Business Education advisor for information.

NOTE: Unclassified students and students-at-large must provide transcripts showing that prerequisites have been met.

MINOR IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY

- 24 hours required in the College of Business
- Required courses: ACS 150 or BEA 125 and BEA 225, 240, 250, 256, 354, 357; MQM 220.

Business Education and Administrative Services Courses

100 BUSINESS AND ITS

ENVIRONMENT US-7 3 F,S,Summer

Influence of economic, social, and political pressures on business systems and operating procedures including markets, production, organization, management, and government regulation of business.

108 BASIC FORMAT TYPEWRITING/ KEYBOARDING 2 F,S

Materials charge optional.

Introductory course includes presentation of microcomputer keyboard and development of basic skills for rapid, accurate preparation of documents and office communication forms. A Proficiency Exam is available; see dept chair for info.

109 TYPEWRITING/WORD PROCESSING I 3 F,S

BEA 108 or equiv. Materials charge optional.

Word information processing, text editing on IBM-PC, microcomputer disk operation, magnetic storage media, business document format, proofreading techniques, terminology.

125 APPLICATIONS OF OFFICE TECHNOLOGY US-7 3 F,S

Not for cr if had ACS 150 or ACC166. Materials charge optional. Formerly BEA 200.

Word processing, data base management, spread sheets, business graphics, and communications using microcomputers.

140 BUSINESS COMMUNICATIONS 3 F,S

ENG 101 or equiv req. Materials charge optional.

Communications practices in business. Communication skills will be improved through solution of practical business writing problems.

- 225 ADVANCED MICROCOMPUTER APPLICATIONS FOR THE PROFESSIONAL** 3 F,S
ACC 166 or ACS 150 or BEA 125. Materials charge optional.

Development of advanced skills in widely used microcomputer application software, including spreadsheets, data base management, business graphics, and desktop publishing.

- 240 REPORT WRITING FOR BUSINESS** 3 F,S, Summer
ENG 101 or equiv req.

Report writing techniques; use, form, and structure of different types of business reports.

- 250 RECORDS MANAGEMENT: THEORY AND CONCEPTS** 3 F
Organization and management of records systems including records maintenance, protection, and final disposition.

- 256 ADMINISTRATIVE OFFICE MANAGEMENT** 3 S
MQM 220 req. Formerly BEA 355.

Analysis of office functions and relationship to business organization; information handling and data processing; office design and layout; responsibilities of office administrators.

- 260 FOUNDATIONS OF BUSINESS EDUCATION** 2 F
C&I 214, 215, or conc enr req. Incl Clin Exp: 12 hrs, Type 1, 6, 9. Adm to Teacher Ed req.

Historical background and current status of Business Education emphasizing professional responsibilities of teachers and principles of curriculum construction.

- 271 INSTRUCTIONAL TECHNIQUES FOR BUSINESS** 3 F

Development of instructional techniques for training office employees. Learning theory, application of instructional techniques, and evaluation of results for office employee training plans.

- 298.50 PROFESSIONAL PRACTICE: COOP IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY** 1 F,S

Maj only; jr standing; 2.5 GPA in business courses; 2.2 overall GPA; cons of coop coord req. May be repeated. Max 2 hrs with cons dept chair.

Practical experience in administrative systems in communications, task analysis, problem solving, work flow and instructional techniques.

- 300 CAREER PLACEMENT DECISIONS** 1 F,S, Summer

An orientation to the processes used in obtaining employment. Includes instruction concerning resumes, application letters, job sources, and interviews.

- 330 DECISION-MAKING FOR CONSUMERS** 3 F,S, Summer
Also offered as FCS 330.

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life-styles, consumer protection, leisure, and achieving financial security.

- 341 PRACTICUM IN BUSINESS COMMUNICATIONS** 3 S
BEA 240 or cons inst req.

Communications unique to professional employment; emphasis on research and writing skills for effective communication.

- 345 BUSINESS IN A MULTICULTURAL ENVIRONMENT** US-8 3 F,S

Business operations in a multicultural environment. Relationship between the business process and social attitudes, values, ideologies, and customs with special emphasis on Asia, Latin America, and the Middle East.

- 354 ADMINISTRATIVE OFFICE INFORMATION SYSTEMS: PLANNING AND IMPLEMENTATION** 3 F
BEA 225 and MQM 220 req. Formerly BEA 351.

Decisions which must be made regarding efficient work flow in an office through experiences in development of office systems which includes the use of modern office technology.

- 357 ADMINISTRATIVE INFORMATION SYSTEM INTEGRATION** 3 S
BEA 354 req. Formerly BEA 255.

Synthesis, application, evaluation, and administration of administrative information systems and contemporary issues.

- 360 TOPICS IN STRATEGIES OF TEACHING BUSINESS EDUCATION SUBJECTS** 2 F,S
BEA 260 or conc reg; C&I 216 req; Incl Clin Exp: 12 hrs, Type 1-6, 9. May be repeated if content different. Adm to Teacher Ed or teaching experience.

Methods of teaching Business Education subjects including keyboarding, information processing, basic business, consumer economics, accounting, marketing education, and current topics.

- 362 BASIC BUSINESS, ACCOUNTING, AND MARKETING INSTRUCTION** 3 F
BEA 260 or conc enr req. Incl Clin Exp: 12 hrs, Type 1-6, 9.

Methods of teaching basic business, consumer economics, accounting, and marketing.

- 363 KEYBOARDING, INFORMATION PROCESSING, AND COMPUTER APPLICATION** 3 F
ACC 166; BEA 225 req. Incl Clin Exp: 12 hrs, Type 1-6, 9.

Instructional strategies in the teaching of personal and vocational keyboarding and computer applications at the junior high and high school levels.

- 364 TEACHING KEYBOARDING AND INFORMATION PROCESSING IN ELEMENTARY SCHOOLS** 1 F
BEA 225, 363, or conc enr req. Include Clin Exp: 5 hrs, Type 1-6, 9.

Methods of teaching keyboarding and information processing for elementary students.

- 371 TEACHING BUSINESS TOPICS TO ADULT LEARNERS** 3 F

Learning theory applied to the development of education and training programs for adults in and for business.

372 EDUCATIONAL MATERIALS FOR ADULT LEARNERS IN BUSINESS 3 S

Identification, development, evaluation, and selection of training materials for teaching business topics to adults.

380 ORGANIZATION AND ADMINISTRATION OF VOCATIONAL COOPERATIVE EDUCATION PROGRAMS 3 F

Incl Clin Exp: 5 hrs, Type I-6, 9. Also offered as FCS 380.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan.

381 DIRECTED OCCUPATIONAL EXPERIENCE FOR VOCATIONAL BUSINESS AND OFFICE AND MARKETING EDUCATION 3 S

For in-service teachers.

Approved on-the-job work experiences required of business and office, and marketing education vocational teachers.

382 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS 3 S

Incl Clin Exp: 5 hrs, Type I-6, 9. Also offered as AGR/FCS 382 and IT 306.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment.

398 PROFESSIONAL PRACTICE: ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY 1-7 F,S

Maj only; sr standing; 2.5 GPA in business courses; 2.2 overall GPA; and cons Intern Coord req.

On-the-job experience involving planning, organizing, and directing work activities; developing controls to assure compliance with policies and procedures in the various areas of office automation.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY**398.50 PROFESSIONAL PRACTICE: COOP IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY**

FINANCE, INSURANCE AND LAW (FIL)

328 Williams Hall, (309) 438-5675

Chairperson: Charles McGuire.

Tenured/Tenure-track Faculty:

Professors: Crepas, Ficek, Flanigan, Kang, Loy, McGuire, Mills, Naidu, Potter, Scott, Varner.

Associate Professors: Chang, Howe, Gilbert, Kruse, Solberg.

Assistant Professors: Carson, Trefzger.

General Department Information

The Finance Major provides a knowledge base and skills appropriate for a wide variety of functional and managerial activities that require financial expertise. The financial world touches most organizations, profit or nonprofit, which have activities involving banking, insurance, real estate, investments, managerial finance, budgeting, and international finance.

The Insurance Major provides skills and knowledge appropriate to a wide range of activities in the insurance and the financial services industries. Study of insurance and the financial service industries leads to careers in insurance companies, insurance agencies, financial services firms, reinsurers, regulation and a wide variety of firms allied with the industry. Careers in insurance include personal and business financial planning, underwriting, sales, sales management, employee benefits specialist, and insurer corporate operations and management. The Insurance Major-Business Information Systems (BIS) Sequence is particularly appropriate for students preparing for careers in computing within the insurance industry. Students must take 60 hours of instruction outside of the College of Business.

Academic Requirements:

All majors in the Department of Finance, Insurance and Law must meet the academic, admission, and transfer requirements of the College of Business. Non-majors must have the prerequisites, including the specified number of hours, to enroll in courses in the Department.

Finance Program

Degree Offered: B.S.

MAJOR IN FINANCE

General Finance Sequence:

- 54 hours required in Business (Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; Management and Quantitative Measurement).
- Required courses: 45 hrs in Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; Management and Quantitative Measurement): ACC 131, 132, 166; BEA 240; FIL 208, 218, 240, 242, 341, 349; MKT 230; MQM 100, 220, 227, 385. In addition, ECO 101, 102, and MAT 121 or 145 must be completed.
- Elective courses (9 hrs): 9 hours selected from FIL 250, 260, 318, 340, 343, 344, 347, 350, 351, 352, 353, 354, 357, 360, 370, 381, 398, 398.10; ECO 239; or appropriate courses approved by the Departmental advisor. **NOTE:** Students majoring in both Finance and Insurance may not use required Insurance courses as electives in Finance.
- **NOTE:** Advising concentrations have been established to direct studies toward career specializations in both Finance and Insurance majors. Students are strongly urged to contact the departmental advisor for details.

MAJOR IN INSURANCE**General Insurance Sequence:**

- 57 hours required in Business (Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; Management and Quantitative Measurement).
- Required courses (48 hrs): ACC 131, 132, 166; BEA 240; FIL 208, 240, 250, 350, 351, 352, 354; MKT 230; MQM 100, 220, 227, 385. In addition, ECO 101 and 102, and MAT 121 or 145 must be completed.
- Elective courses (9 hrs): 9 hours selected from ACC 231, 232; ACS 160, 168; BEA 341; ECO 239, 320; FIL 209, 218, 242, 318, 353, 382, 398.10; MAT 280; MKT 234, 334; MQM 323, 384; or appropriate courses approved by the departmental advisor. **NOTE:** Students majoring in both Finance and Insurance may not use required Insurance courses as electives in Finance.
- **NOTE:** Advising concentrations have been established to direct studies toward career specializations in both Finance and Insurance majors. Students are strongly urged to contact the departmental advisor for details.

Insurance-Business Information Systems (BIS) Sequence:

- 57 hours required in Business (Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; Management and Quantitative Measurement).
- Required courses (57 hrs): ACC 131, 132, 166, 261, 266, 362, 366; BEA 240; FIL 208, 240, 250, 350 or 352, 354; MKT 230; MQM 100, 220, 227, 385. In addition, ECO 101 and 102, and MAT 121 or 145 must be completed. **NOTE:** Students majoring in both Finance and Insurance may not use required Insurance courses as electives in Finance.

MINOR IN INSURANCE

- Required courses: FIL 208, 218 or 240, 250, 350 or 352, 354.
- **NOTE:** FIL 398.10 is strongly recommended in addition to required courses.
- **NOTE:** Non-Business majors are restricted to no more than 30 hours of business instruction.
- **NOTE:** Advising concentrations have been established to direct studies toward career specializations in both Finance and Insurance majors. Students are strongly urged to contact the departmental advisor for details.

Finance, Insurance and Law Courses**150 PERSONAL INSURANCE US-7 3 F,S**
Not for cr maj/min in the College of Business.

Explores key areas of insurance: underwriting, marketing, claims, career opportunities, contracts, exposures to risk, coverages, and investing, borrowing and estate planning, as they relate to insurance.

208 LEGAL ENVIRONMENT OF BUSINESS US-7 3 F,S
Jr standing req.

The legal environment as it pertains to profit and nonprofit organizations, with ethical considerations and social and political influences as they affect such organizations.

209 BUSINESS LAW I 3 F,S
FIL 208 req.

The law of contracts, agency, partnerships, and corporations.

211 BUSINESS LAW II 3 F,S
FIL 208 and 209 req.

The law of property, sales, secured transactions, commercial paper, trusts, wills, insurance, and bankruptcy.

218 FINANCIAL MARKETS 3 F,S
ECO 102 req.

Participants, structure and functions of the major domestic and international financial markets.

240 BUSINESS FINANCE 3 F,S
MQM 100; ACC 132; ECO 101 and 102 req.

Principles and problems of planning and managing assets of business. Formulation, acquisition and utilization of funds and capital structure examined.

242 INVESTMENTS 3 F,S
FIL 240 req.

A survey of investment media, concepts, and techniques to provide an understanding of the investment process in the economic and financial environment.

250 INTRODUCTION TO RISK AND INSURANCE 3 F,S
Jr standing req.

Fundamental issues of risk management and insurance in property, liability, life and health areas. Principles of marketing, underwriting, rate making and loss adjusting.

260 REAL ESTATE PRINCIPLES 3 F,S
Jr standing req.

Principles of real estate, including legal aspects of real estate, appraisal, investment, mortgage financing, homeownership, and brokerage industry functions.

298 PROFESSIONAL PRACTICE: FINANCE INTERNSHIP/ COOPERATIVE EDUCATION 1-6 F,S
Jr standing and cons dept chair req.

Directed projects or experience related to the student's career interests in finance, arranged through the department coordinator and completed under the supervision of a business professional.

298.10 PROFESSIONAL PRACTICE: INSURANCE INTERNSHIP/ COOPERATIVE EDUCATION 1-6 F,S
Jr standing and cons dept chair req.

On-the-job experience in insurance arranged through the Department coordinator and completed under the supervision of an insurance professional.

311 GOVERNMENT REGULATION OF BUSINESS 3 F,S
FIL 208 req.

Analysis of governmental legal and regulatory activity as it applies to business.

312 INTERNATIONAL BUSINESS LAW 3 F,S
FIL 208 req.

Case study in international business law. Jurisdiction and application of foreign law, international regulation of economic activities, and issues of comparative law.

- 313 LABOR LAW** 3 F,S
FIL 208 req.
 Laws regarding the labor-management relationship, the NLRA, Employment Discrimination, Unemployment Compensation, Social Security, Workers' Compensation and other regulations of employment.
- 318 MANAGEMENT OF FINANCIAL INSTITUTIONS** 3 F,S
Business maj only. FIL 218 and 240 req.
 Financial institutions as business firms, with emphasis on depository institutions: industry structure, regulation, asset and liability management strategies.
- 340 SHORT-TERM FINANCIAL MANAGEMENT** 3 F,S
FIL 240 req; Bus maj only.
 Analysis of working capital management; cash budgeting; financial analysis and planning; short-term financing decisions.
- 341 INTERMEDIATE BUSINESS FINANCE** 3 F,S
FIL 240 req; Bus maj only.
 Theory and practice of capital management. Topics include evaluation of risks, determination of capital structures, measures of costs and returns, allocation of capital, financial planning and models, and a survey of working capital issues.
- 343 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT** 3 F,S
FIL 242 req; Bus maj only.
 Characteristics of financial assets and markets; evaluation of securities; selecting and combining securities into portfolios; portfolio models and measurement of portfolio performance.
- 344 INTERNATIONAL FINANCIAL MANAGEMENT** 3 F,S
FIL 240 req; Bus maj only.
 Financial management of multinational corporations, including balance of payments, foreign exchange markets and international money and capital markets.
- 347 FINANCIAL FUTURES, OPTIONS AND SWAPS** 3 F or S
FIL 242 req or cons dept chair.
 Evaluate financial futures, options and swap instruments and market characteristics; analyze pricing models, hedging and trading strategies, portfolio insurance; trading techniques.
- 349 ADVANCED FINANCIAL THEORY AND PROBLEMS** 3 F,S
FIL 341 and additional 6 hrs Finance req. Finance maj only. Not for grad cr for MBA students.
 An advanced coverage of financial theory and its applications to cases and problems; modeling and simulation.
- 350 PROPERTY INSURANCE** 3 F
FIL 250 req.
 Identify and measure property direct and indirect loss exposures and insurance coverages used to transfer such exposures.
- 351 LIFE AND HEALTH INSURANCE** 3 F,S
FIL 250 req.
 Identify and measure liability loss exposures and insurance coverages used to transfer such exposures, including concepts of negligence and liability.
- 352 LIABILITY INSURANCE** 3 S
FIL 250 req.
 Identify and measure liability loss exposures and insurance coverages used to transfer such exposures, including concepts of negligence and liability.
- 353 FINANCIAL PLANNING** 3 F,S
FIL 208, 240, and 250 req.
 Principles and concepts of integrated financial planning, including legal, tax and financial aspects, business planning, retirement planning, estate planning and the use of information technology.
- 354 RISK MANAGEMENT** 3 S
FIL 351, and 350 or 352 req.
 Management's role in treating non-speculative risks to which business is exposed. Emphasis on recognition, evaluation, and treatment of risks.
- 357 REAL ESTATE APPRAISAL** 3 F
FIL 260 req; Bus maj only.
 Recent and traditional appraisal techniques. Theory and methodology of market value determination for residential and commercial real estate.
- 360 REAL ESTATE INVESTMENT AND FINANCE** 3 S
FIL 260 req; Bus maj only.
 Decision-making analysis in real estate investment and financing. Emphasis on financial leverage, cash-flow analysis, taxation, risk, mortgages.
- 370 EDUCATIONAL INVESTMENT FUND** 4 F,S
FIL 242 and cons dept chair req.
 Management of real-money investment funds. Application of investment theory to an actual portfolio, including development and presentation of recommendations to board of investment professionals.
- 375 LAW FOR ACCOUNTANTS** 3 S
24 hrs of Accounting including ACC 337 or conc reg; FIL 211 or conc reg req; CR/NC only.
 Accountants' legal responsibilities, anti-trust, bankruptcy, federal securities regulation, insurance, regulation of employer and employee relationships, secured transactions, suretyship, and other topics for the professional accountant.
- 380 SEMINAR IN THE LEGAL ENVIRONMENT OF BUSINESS** 3 F,S
Cons dept chair req. May be repeated with cons dept chair.
 Selected topics in law and its relationship to business. Topics may include new developments in public and private law as it relates to businesspersons.
- 381 SEMINAR IN FINANCE** 1-4 F,S
Cons dept chair req. May be repeated with cons dept chair.
 Selected topics in finance. Topics may include new developments in the field as they relate to businesspeople and industry.
- 382 SEMINAR IN INSURANCE** 1-4 F,S
Cons dept chair req. May be repeated with cons dept chair.
 Selected topics in insurance. Topics may include new developments in the field as they relate to businesspeople and industry.

398 PROFESSIONAL PRACTICE:**FINANCE INTERNSHIP 1-12 F,S**

Sr standing; 3.2 overall GPA or cons dept chair. Usually no more than 3 hrs cr awarded for 1-sem work assignment.

Directed projects or administrative experience related to the student's career interests, arranged through the department coordinator and completed under the supervision of a business professional.

398.10 PROFESSIONAL PRACTICE:**INSURANCE INTERNSHIP 1-12 F,S**

FIL 250 req; 3.2 overall GPA or cons dept chair.

On-the-job experience in insurance arranged through the department coordinator and completed under the supervision of an insurance professional.

MANAGEMENT AND QUANTITATIVE METHODS (MQM)

329 Williams Hall, (309) 438-5701

Chairperson: Warren Nielsen.

Tenured/Tenure-track Faculty:

Professors: Chitgopekar, Dumler, Graeff, Graf, Hemmasi, Lust, Newgren, Nielsen, Radhakrishnan, Robinson, Ross, Winchell.

Associate Professors: Devinatz, Fazel-Sarjui, Fitzgibbons.

Assistant Professors: Downes, McLamey, Ringer, Salegna, Stewart-Belle.

General Department Information

The Management Major offers programs to students interested in professional management careers in business, industry, or government. Four sequences allow students to concentrate on skills needed by general managers (Organizational Leadership), specialists in personnel and human resources (Human Resource Management), specialists in quality, operations, or production (Quality and Operations Management), or by those interested in careers in or starting their own small business (Entrepreneurship and Small Business Management).

Academic Requirements:

All majors in the Department of Management and Quantitative Methods must meet the academic, admission, and transfer requirements of the College of Business. Non-majors must have the prerequisites, including a specified number of hours, to enroll in courses in the Department.

Management and Quantitative Methods Programs

Degree Offered: B.S. in Management

MAJOR IN MANAGEMENT

- 54 hours required, of which 36 are core requirements and 18 are in each of the sequences. In addition, ECO

101, 102; and MAT 121 or 145 are required. (Mathematics courses may have up to 7 hours of prerequisites.) ECO 101, 102, and 3 hours of Mathematics satisfy part of the University Studies requirements.

- Core requirements: MQM 100, 220, 221, 227, 385; ACC 131, 132, 166; BEA 240; FIL 208, 240; MKT 230.
- At least 24 of the required hours at the 200- and 300-level must be taken in residence at Illinois State University.
- The senior year's work, with minor exceptions, must be taken in residence at Illinois State.
- At least 42 hours of the total 120 hours offered for graduation should be in courses other than business (Management and Quantitative Methods; Accounting; Business and Educational Administration; Finance, Insurance and Law; Marketing), economics, and administration.
- 1 of the following sequences must be completed.

Entrepreneurship and Small Business Management Sequence:

- College of Business core requirements (39 hrs): ACC 131, 132, 166; BEA 240; FIL 208, 240; MKT 230; MQM 100, 220, 227, 385.
- Required University Studies or general electives courses (10 hrs): ECO 101, 102; MAT 121 or 145.
- Required sequence courses (12 hrs): MQM 221, 225, 226, 326.
- Elective sequence courses (9 hrs): INB 190; MQM 287, 323, 335, 340, 398.

Human Resource Management Sequence:

- Management and Quantitative Measurement core.
- MQM 323, 324, 352, 354 required.
- 6 additional hours selected from MQM 300, 340, 350 or INB 245; MQM 353, 355, 381, 383, 398.01, or related course with consent of Department Chairperson. Example of related 3-hour courses include: ECO 225, 326, 327; FIL 313; PSY 375 and SOA 255.

Organizational Leadership Sequence:

- Management and Quantitative Measurement core.
- MQM 380, 382, 383, 384 required.
- 6 hours selected from: MQM 215 or 300, 225, 287, 323, 335, 340, 381, 398, 350 or INB 245.

Quality and Operations Management Sequence:

- Management and Quantitative Measurement core.
- MQM 215, 333, 335, 337, 345 required.
- 3 hours selected from: MQM 287, 300, 326, 398; ACC 230; IT 312; MKT 329, 339.01.

Business Administration Programs

Degree Offered: B.S.

MAJOR IN BUSINESS ADMINISTRATION

- 54 hours required in Business (Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; and Management and Quantitative Methods).

- Required courses: (33 hrs in Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; and Management and Quantitative Methods); ACC 131, 132, 166; BEA 240; FIL 208, 240; MKT 230; MQM 100, 220, 227, 385. In addition, ECO 101 and 102 and MAT 121 or 145 must be completed. 15 of these 33 hours must be taken in residence at Illinois State.
- An additional 21 hours are required: 15 hours selected from FIL 209 or 311 or BEA 341; FIL 218 or 242 or 250; MKT 231 or 232 or 234; MQM 225 or 323 or 335; ACC 230 or 370; ACC 340 or BEA 345 or FIL 344 or MKT 238 or MQM 350.
- In addition, with departmental approval, 3 hours are to be selected from courses offered by any department in the College of Business, and 3 hours to be selected from courses offered in the College of Business or in other colleges. At least 9 of the 21 hours must be taken at the 300-level.

Business Administration Business Information Sequence:

- 9 hours from BEA 341; FIL 209 or 218; MKT 232; MQM 215; and INB 245.
- Required courses: ACC 261, 266, 362, 366.
- At least 9 of the 21 hours must be taken at the 300-level.
- At least 42 hours outside the College of Business and in subject areas other than business (Accounting; Business Education and Administration; Finance, Insurance and Law; Marketing; and Management and Quantitative Methods), economics, and administration must be included toward the 120 hours for graduation.

MINOR IN BUSINESS ADMINISTRATION

- Required courses: MAT 120 or 144 (MAT 104 competence req); ACC 131, 132; ECO 101; FIL 208, 240; MKT 230; MQM 100 or ECO 131; MQM 220.
- **NOTE:** The Business Administration Minor is not available to majors in the College of Business.

Management and Quantitative Methods Courses

100 BUSINESS AND ECONOMIC STATISTICS 3 F,S

MAT 120 or 144 req. Not for cr if had ECO 131.

Application of statistical methods to business. Averages, dispersion, probability theory, frequency distributions, inference, hypothesis testing, regression, nonparametric tests.

215 INTRODUCTION TO MANAGEMENT SCIENCE MODELS 3 F,S

MQM 100; MAT 121; ACC 166 req. Not for cr if had MQM 301 prior to spring 1979.

Provides a basic understanding of the formulation and application of quantitative models in managerial decision-making. General topics include: linear programming, dynamic programming, networks, and simulation.

220 BUSINESS ORGANIZATION AND MANAGEMENT 3 F,S

ECO 101 req.

Organization theories and the role of managers as leaders. Planning and control systems, decision-making, and human considerations.

221 ORGANIZATIONAL BEHAVIOR AND ADMINISTRATION 3 F,S

MQM 220 req. Not for cr if had PSY 376.

Organization analysis focusing on motivation, perception, communication, coordination, and change. Administrative problems examined by theories of individual and group behavior.

225 INTRODUCTION TO SMALL BUSINESS 3 F,S

MQM 220; MKT 230; FIL 240 req.

A study of small businesses and owner-management. Includes strategic and operational planning, ethical issues, organizational controls, marketing management and techniques, financial analysis and accounting, risk management, securing growth capital, and human resource management.

226 SMALL BUSINESS ENTREPRENEURSHIP 3 S

MQM 220; FIL 240; MKT 230 req. Formerly ENTREPRENEURSHIP.

How to start a business, with emphasis on the assessment of business opportunities and on the development of operating plans. A sophisticated business plan is developed within task groups from concept through all elements of a professionally written business plan.

227 PRODUCTION MANAGEMENT 3 F,S

MQM 100 and 220 req.

Operations of production plants. Methods analysis and work measurement, inventory control, quality control, facilities layout, machines and maintenance.

298.01 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN MANAGEMENT 1-6 F,S

Internship experiences in general management, human resource management, production/operations management or management information systems, arranged through the dept coord.

300 INTERMEDIATE BUSINESS STATISTICS 3 F,S

MQM 100; MAT 121 or equiv req.

Techniques used in modern business analysis. Topics include multiple regression and analysis of variance for applications in management, marketing, finance, an accounting.

323 HUMAN RESOURCES MANAGEMENT 3 F,S

MQM 220 req.

Principles and procedures relating to human resources management, including staffing, appraisal, training, compensation, and other programs for business and other organizations.

324 INDUSTRIAL RELATIONS MANAGEMENT 3 F,S

MQM 220 and ECO 102 req.

Managing employment relations and work conditions. Emphasis on negotiating, administering labor agreements, and impact of collective bargaining on managerial practice.

326 SMALL BUSINESS FIELD STUDIES 3 F,S

MQM 225, 226 req. Formerly SMALL BUSINESS MANAGEMENT.

Field program designed to familiarize the student with the problems of small business owners and/or operators. The student acquires firsthand knowledge and experience by dealing with on-going businesses.

333 PRODUCTION/INVENTORY CONTROL MANAGEMENT 3 S

MQM 227 req.

Examines issues related to manufacturing planning and control. Topics include Scheduling, Just-in-Time (JIT), and Material Requirements Planning (MPR).

335 QUALITY CONTROL MANAGEMENT 3 F

MQM 227 or cons inst req.

Introduces the basic concepts and models used in quality management. Emphasis is placed on the organizational and behavioral dimensions of a quality management program.

337 SERVICE OPERATIONS 3 S

MQM 227 and MAT 121 req.

Issues related to managing operations in the service sector. Topics include the planning, organization, and control of service operations.

340 SEMINAR IN MANAGEMENT 3 F,S

MQM 220 and 221 req. May be repeated once if topic different.

Specialized study of a selected topic in the field of management for advanced students.

345 QUALITY STANDARDS AND IMPLEMENTATION 3 S

MQM 227 and 335 req.

Advanced quality management, examining quality standards used today, discussing different methods and issues related to standard implementation in service and manufacturing companies.

350 INTERNATIONAL MANAGEMENT 3 F,S

MQM 220 req.

Managerial decision making for planning, organizing, and controlling the functions, operations, and resources of multinational corporations.

352 RECRUITMENT AND SELECTION 3 F,S

MQM 323 req. Formerly 340.02.

Advanced course focusing on the relationship between recruitment and selection activities and their impact on other human resource functions and organizational performance.

353 STRATEGIC HUMAN RESOURCE PLANNING AND MANAGEMENT 3 F

MQM 323 req.

Strategic human resource planning as the base for organizational human resource decisions and programs, and management of personnel development in organizations.

354 COMPENSATION MANAGEMENT 3 F,S

MQM 323 req.

Compensation subsystem as a vital component in establishing a workplace system that stimulates employee performance.

355 EMPLOYEE APPRAISAL AND CAREER DEVELOPMENT 3 S

MQM 323 req. Formerly 340.01.

Advanced course focusing on assessment of employer and employee development needs, career development programs, employee development, program evaluation, and performance appraisal.

380 TEAMS AND TEAM DEVELOPMENT 3 F,S

MQM 220 and 221 req.

The critical issues in groups and teams are examined within organizational settings. Emphasis is on work teams in organizations and the issues of effectiveness, performance, and conflict.

381 PROJECT SUPERVISION DEVELOPING MANAGERIAL SKILLS 3 F,S

MQM 220, 221 or 323; sr standing. Formerly PROJECT SUPERVISION.

Opportunities to develop managerial skills through classroom exercises, self-development activities, and supervising projects.

382 ORGANIZATIONAL LEADERSHIP 3 F,S

MQM 220 and 221 req.

Emphasis is on leadership and motivation as directive functions of management that are instrumental for achieving high quality performance and organization member satisfaction. Techniques for enhancing one's individual leadership skills are utilized.

383 ORGANIZATIONAL CHANGE AND DIVERSITY 3 F,S

MQM 220 and 221 req.

Critical issues in organizational change including power, culture, change strategies, and resistance to change are examined and applied to diversity in the organization and its markets.

384 MANAGERIAL PLANNING AND DECISION MAKING 3 F,S

MQM 220 and 221 req. Formerly MQM 325.

A consideration of managerial decision making in organizations. Specific emphasis on strategic, program, and operational level planning decisions, techniques, and systems.

385 PROBLEMS IN BUSINESS 3 F,S

MQM 100, 220; ACC 132; FIL 240 and MKT 230 req. Sr standing; Bus maj only.

Integration of the decision-making processes involved in each of the major functional areas of business.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP

IN MANAGEMENT 1-6 F,S, Summer

Primarily for jr/sr Management majors with at least 90 hrs. Experience in general management, human resource management, entrepreneurship/small business, or quality and operations management req. Students qualifying for this internship experience can receive letter-grade cr hrs of which 3 hrs can be counted toward the Management Major. See Dept coord for info.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP/ COOPERATIVE

EDUCATION IN BUSINESS ADMINISTRATION 1-6 F,S, Summer

Primarily for jr/sr Business Administration majors with at least 90 hrs. Students qualifying for this internship experience can receive letter-grade cr hrs, of which 3 hrs can be counted toward the Business Administration Major. See Dept coord for info.

**398.03 PROFESSIONAL PRACTICE: INTERNSHIP
IN MANAGEMENT 1-6 F,S, Summer**

Primarily for jr/sr Management majors with at least 90 hrs. Experience in general management, human resource management, entrepreneurship/small business, or quality and operations management req. Students qualifying for this internship experience will receive CR/NC hrs only, of which 3 hrs can be counted toward the Management Major. See Dept coord for info.

**398.04 PROFESSIONAL PRACTICE: INTERNSHIP/
COOPERATIVE EDUCATION IN BUSINESS
ADMINISTRATION 1-6 F,S, Summer**

Primarily for jr/sr Business Administrative majors with at least 90 hrs. Students qualifying for this internship experience will receive CR/NC hrs only, of which 3 hrs can be counted toward the Business Administration Major. See Dept coord for info.

MARKETING (MKT)

325 Williams Hall, (309) 438-5510

FAX (309) 438-551

Chairperson: Stephen Goodwin.

Tenured/Tenure-track Faculty:

Professors: Cox, Goodwin, Grimm, Lesch, Slama.

Associate Professors: Attaway, Celuch, Longfellow, Showers, Singley, Taylor.

Assistant Professors: Humphreys, Williams.

General Department Information

The Marketing Department offers a flexible degree that qualifies graduates for a variety of leadership positions in the selling, distribution, pricing, and advertising of goods and services for both profit and non-profit organizations.

Academic Requirements:

All majors in the Department of Marketing must meet the academic, admission, and transfer requirements of the College of Business. Non-majors must have the prerequisites, including the specified number of hours, to enroll in courses in the Department.

Marketing Program

Degree Offered: B.S. in Marketing

MAJOR IN MARKETING

- 54 hours required in business (Accounting; Business Education and Administrative Services; Finance, Insurance and Law; Marketing; and Management and Quantitative Methods).
- Required courses: MKT 230, 231, 232, 338; ACC 131, 132, 166; BEA 240; FIL 208, 240; MQM 100, 220, 227, 385.
- 24 of these 42 hours must be taken in residence at Illinois State University. Additional requirements: ECO 101, 102; MAT 121 or 145 (Mathematics courses may have up to 7 hrs of prerequisites). ECO 101, 102 and 3

hours of Mathematics satisfy part of the University Studies requirements.

- Elective courses: (12 hrs selected from): MKT 233, 234, 235, 238, 287, 291, 299, 329, 333, 334, 335, 337, 339, 398.01; INB 245. One of the following courses may be used as part of the 12 hours listed above: GEO 330, 333, 336; POS 232, 312; SOA 260, 267. No more than 3 hours of electives may be outside the Marketing Department. **NOTE:** Only 3 hours of MKT 287, 291, 299, 398.01 and INB 245 may be counted as part of the 12 hours listed above.
- The senior year's work (last 30 hrs), with minor exceptions, must be completed in residence at Illinois State University.
- At least 42 of the 120 hours required for graduation must be in courses other than business (Accounting; Business Education and Administrative Services; Finance, Insurance and Law; Marketing; and Management and Quantitative Methods), economics, and administration.

Marketing Courses

230 INTRODUCTION TO MARKETING MANAGEMENT 3 F,S, Summer ECO 101 req.

A managerial approach to the study of such key decision areas as advertising, distribution, pricing and product development as well as other concepts and activities that facilitate exchange between buyers and sellers in the environments of business and nonbusiness organizations.

231 BUYER BEHAVIOR 3 F,S MKT 230 req.

Theory and research on explaining and predicting consumer and organizational buying behavior. Course examines concepts that have implications for marketing management decisions.

232 MARKETING RESEARCH 3 F,S MKT 230; MQM 100 or equiv req.

Examines marketing research methods and techniques used in the collection and interpretation of primary and secondary data. Hands-on experience is gained through participation in one or more research projects.

233 ADVERTISING 3 F,S, Summer MKT 230 req.

Survey of historical and contemporary trends; theory and decision making in advertising. Course covers basic decision elements for developing and managing campaigns.

234 PERSONAL SELLING AND RELATIONSHIP MARKETING 3 F,S AGR 214 or MKT 230 req. Formerly PROFESSIONAL SELLING.

Presents personal selling as a professional marketing activity; coverage of effective selling methods. Application of selling theories to the modern marketing concept. In-class presentations and role playing exercises are typical.

235 MARKETING CHANNELS 3 F,S*MKT 230 req.*

Theoretical concepts of marketing channel (distribution) structure and management and their practical applications.

238 INTERNATIONAL MARKETING 3 F,S,Summer*MKT 230 req.*

Understanding the global marketing environment and developing marketing strategies across national boundaries. The political, economic, and cultural variables which influence such strategies are identified. Recent cross-cultural research and real world cases clarify concepts and their application.

298 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN MARKETING 1-6 F,S,Summer

Primarily for students with less than 89 hrs earned. Does not count toward the Marketing Major. CR/NC only. See dept chair for info and cons.

329 PURCHASING POLICIES AND PROCEDURES 3 F*MKT 230 req.*

Purchase of materials, supplies, and equipment for industry, government, and other institutions. Organization for purchasing, internal requisitioning, and stock control. Significant case analysis is typical.

333 ADVERTISING MANAGEMENT 3 F,S*MKT 230, 231, 232, 233, or equiv req.*

Evaluation of elements for the effective development, implementation, and management of advertising campaigns. Experience in making decisions will be gained via cases, campaign development exercises, and/or computer-simulation.

334 SALES MANAGEMENT 3 S*MKT 230 and 234 req.*

Theory, principles, and practices of sales force administration for manufacturing, wholesaling, and service enterprises. Topics include recruiting, training, compensation, and performance appraisal.

335 RETAILING MANAGEMENT AND PROMOTION 3 F,S,Summer*MKT 230 req.*

Management and operation of retail firms. Emphasis on location analysis, pricing, inventory control, merchandising and promotion. Experiential assignments are typical.

337 BUSINESS-TO-BUSINESS MARKETING 3 S*MKT 230, 231, and 232 req. Formerly INDUSTRIAL MARKETING.*

Focuses upon the scope and nature of marketing in an industrial or business-to-business context. A managerial decision making framework is utilized.

338 STRATEGIC MARKETING MANAGEMENT 3 F,S,Summer*MKT 230, 231, and 232 req.*

Development, implementation, and control of the marketing plan. Short and long-run perspectives are considered equally important. Includes analysis of actual and hypothetical cases.

339 SEMINAR IN MARKETING 3 F,S,Summer*MKT 230, 231, 232 or cons dept chair req. May be repeated once if topic and inst differ.*

A specialized study of important, narrow areas in the field of marketing for advanced students. Recent topics include direct marketing, logistics/physical distribution, sales/market forecasting, advanced marketing research, advanced professional selling, and services marketing.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN MARKETING 1-6 F,S,Summer

Primarily for students with at least 89 hrs earned. Those qualifying for this internship/coop experience can receive letter-grade cr, and up to 3 cr hrs can possibly be counted toward the Marketing Major. See dept chair for info and cons.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN MARKETING 1-6 F,S,Summer

Primarily for students with at least 89 hrs earned. Those qualifying for this internship/coop experience will receive CR/NC hrs only, none of which can be counted toward the Marketing Major. See dept chair for info and cons.

COLLEGE OF EDUCATION

Dean: Sally B. Pancrazio. Office: 506 DeGarmo Hall.

The College of Education includes the Departments of Curriculum and Instruction, Specialized Educational Development, Educational Administration and Foundations, the Office of Clinical Experiences and Certification Processes, and the Laboratory Schools. One research and service unit and the office for higher education and education finance are included in the College of Education.

The College of Education has three broad missions: (1) preparation of quality personnel to serve in all sectors of education in various capacities and at all levels of teaching and learning; (2) systematic study, research and evaluation of societal concerns within diverse cultural contexts and with the concomitant utilization of that research for society's benefit; and (3) active involvement in service activities designed to improve the quality of life through education and to ensure the necessity of existing programs and to identify new directions for the College.

The College of Education accepts responsibility for influencing public policy, standards, and practices which affect education at all levels. The preparation and continuing professional development of educators is the core of this mission. A comprehensive offering of degree, certification, and outreach programs operated year round at both undergraduate and graduate levels constitutes the primary mechanism through which the mission is fulfilled.

The College also fulfills its strategic mission of influencing education by interacting directly with practitioners in the field in a variety of partnerships in the educational and social service institutions, associations, and agencies in which they work. The College provides services and engages in collaborative activities aimed at improving the experiences and programs available to students at all levels. In addition, the College is an active participant in discussions related to educational policy development within national, state, and local arenas.

CURRICULUM AND INSTRUCTION (C&I)

232 DeGarmo Hall, (309) 438-5425

Acting Chairperson: John Godbold

Tenured/Tenure-track Faculty:

Professors: Baer, Bettis, Braun, Fisher, Godbold, Goeldi, Haukoos, Jinks, Kachur, Kennedy, Lorber, Miller, Moss, Mungo, Rhodes, Ryan, Taylor.

Associate Professors: Baker, Curtis, Garcia, Jerich, Moore, Nourie, Shaw-Baker.

Assistant Professors: Benenson, Brehm, Carter, Gayle-Evans, Lenski, Lorschbach, Morgan, Parks, Underwood.

General Department Information

Early Childhood Education Programs

Degrees Offered: B.S., B.S. in Ed.

Academic Requirements:

Students are admitted to the Early Childhood Education program on a competitive and selective basis. To register for C&I 281, the Early Childhood Education program entry course, students must have achieved:

1. A minimum cumulative and major GPA of 2.5.
2. A minimum of 45 semester hours completed (**To begin C&I 281, however, students must have achieved junior standing - a minimum of 60 semester hours completed.**)
3. A minimum grade of "C" in both ENG 101 and COM 110.
4. All sections of Pre-Professional Skills Test (PPST) passed (see description below).

Students should contact their advisors for additional information. Prospective transfer students are urged to file an Application for Admission to Illinois State University early. (See Admission section of this *Undergraduate Catalog*.) Advanced registration is strongly recommended.

Pre-Professional Skills Test (PPST):

All early childhood majors are required to pass a basic skills test (PPST) in reading, writing, and mathematics before registering for C&I 281. For this reason students should take the PPST (fee required) as early as possible.

MAJOR IN EARLY CHILDHOOD EDUCATION

The Early Childhood Comprehensive Major leads to certification for teaching in programs serving children birth to age 8 (grade 3). The professional coursework of the program focuses on preparation for teaching in day care centers, nursery schools, prekindergarten programs, and primary classrooms.

Most professional coursework, taken through Core units, is ordinarily started during the first semester of the junior year. Each Core unit is for an entire semester and is a unified program of classroom experiences taught by a team of instructors from Curriculum and Instruction and other departments. Each Core covers a common content: knowledge about physical, cognitive, social, and creative development of children; knowledge about school curriculum and organization; and direct teaching experience with young children. The final semester (Student Teaching) is spent off campus. Concurrently with each Core, students take additional required courses. Specific information on admission requirements and practices is available from the Department of Curriculum and Instruction. Students are encouraged to take the PPST Test as early as possible since passing scores on the PPST are required before registering for Core I (C&I 281).

- Required courses (54 hrs): PAS 115; SED 145 or PSY 346; C&I 281, 282, 283, 301, 304, 331; SED 363 or FCS 231. Concurrent courses are taken through advisement.
- In addition to the major requirements previously listed, students should include the following courses in the 48 hours of University Studies for compliance with state certification requirements: ENG 101; COM 110; PSY 111. Each student should consult the Teacher Education Requirements section of the *Undergraduate Catalog* for further understanding of state General Education standards for certification in Early Childhood Education.

Elementary Education Programs

Degrees Offered: B.S., B.S. in Ed.

Academic Requirements:

Students are admitted to the Elementary Education program on a competitive and selective basis.

To register for C&I 254, the Elementary Education program entry course, a student must have achieved:

1. A minimum cumulative GPA of 2.5.
2. A minimum of 45 semester hours completed. **(To begin C&I 254, however, students must have achieved junior standing - a minimum of 60 semester hours completed.)**
3. A minimum grade of "C" in both ENG 101 and COM 110.
4. All sections of Pre-Professional Skills Test (PPST) passed (see description below).

Students should contact their advisors for additional information. Prospective transfer students are urged to file an Application for Admission to Illinois State University early. (See Admission section of this *Undergraduate Catalog*.) Advanced registration is strongly recommended.

Pre-Professional Skills Test (PPST):

All elementary majors are required to pass a basic skills test (PPST) in reading, writing, and mathematics before registering for C&I 254. For this reason, students should take the PPST (fee required) as early as possible.

MAJOR IN ELEMENTARY EDUCATION

- 71 hours in General Education required. Each student should consult the Teacher Education Requirements section of the *Undergraduate Catalog* for specific information regarding the General Education standards for certification in Elementary Education (K-9). In addition students should contact the Elementary Education academic advisor for a list of recommended General Education courses. (See also Teacher Education Requirements section in the *Undergraduate Catalog* for additional information regarding Admission to Teacher Education and student teaching.)
- 54 hours in Professional Education as follows:
 - *Required major courses: C&I 210, 254, 255, 256, 257, 258, 259.01, 259.02, 259.03, 259.04; and STT 399.50.
 - *Required major adjunct courses: SED 145; ENG 170; MAT 201; ART 205; HPR 222; EAF 228 or 231 or 235; MUS 277; and THE 280.

The Professional Education coursework is taken through the on-campus courses, and in some cases through on-campus courses concurrent with off-campus field experiences. This work is ordinarily started during the junior year, except that ENG 170, C&I 210, and SED 145 are often taken earlier. Students begin

by enrolling in C&I 254 (Management, Measurement, and Curriculum), the entry-level 3-hour credit course. In the succeeding semester, students enroll in 16 semester hours consisting of C&I 255 (Reading Methods), C&I 256 (Language Arts Methods), C&I 257 (Science Methods), and C&I 258 (Social Studies Methods), each of which has a concurrent clinical course (C&I 259.01, 259.02, 259.03, and 259.04, respectively). Generally, students are limited to this 16 semester hour schedule because they are required to complete 4 to 5 weeks of full-time Clinical Experiences in elementary schools. Remaining courses which are typically completed before Student Teaching include: MAT 201 and EAF 228, 231, or 235. The final semester is an entire semester of Student Teaching in an off-campus site which generates 12 semester hours of credit. The pre-student and Student Teaching experiences provide varied opportunities of working directly with children of various socio-economic and ethnic groupings.

MINOR IN READING

Students may complete coursework leading to the 18-hour reading endorsement. To meet these state requirements, students must fulfill 12 hours in reading in categories designated by the State of Illinois, a literature course appropriate to the teaching level, and an additional approved reading course.

Junior High/Middle School Education Programs

Degrees Offered: B.S., B.S. in Ed.

Academic Requirements:

Students are admitted to the Junior High/Middle School Education program on a competitive and selective basis. To register for C&I 233, the Junior High/Middle School Education program entry course, students must have achieved:

1. A minimum cumulative and major GPA of 2.5.
2. A minimum grade of "C" in both ENG 101 and COM 110.
3. All sections of Pre-Professional Skills Test (PPST) passed (see description below).

Students should contact their advisors for additional information. Prospective transfer students are urged to file an Application for Admission to Illinois State University early. (See Admission section of this *Undergraduate Catalog*.) Advanced registration is strongly recommended.

Pre-Professional Skills Test (PPST):

All junior high/middle school majors are required to pass a basic skills test (PPST) in reading, writing, and mathematics before registering for C&I 233. For this reason students should take the PPST (fee required) as early as possible.

MAJOR IN JUNIOR HIGH/MIDDLE SCHOOL EDUCATION

Professional Requirements:

- 34 hours in Professional Education required. Part of entitlement program leading to certification: Elementary K-9.

- Required courses: C&I 130, 210, 233, 306; 333, 390, 395, 399.55 (12 hrs of Student Teaching); EAF 228 or 231 or 235; PSY 302, 346 or 347 or SED 145.

Program Requirements:

These requirements may, in very large part, be met by coursework taken for University Studies and to meet certification requirements falling under General Education.

Within the General Education requirements as stated in the *Undergraduate Catalog* section "Approved Teacher Education Programs—Junior High/Middle School," the following courses are required:

- ENG 101, 145; COM 110; and HSC 196.

Specialization Requirements:

- Appropriate preparation in 2 or more areas of teaching specialization listed below is required.

The major in Junior High/Middle School Education, a program of professional development for those who wish to teach at the junior high/middle school-level of education, consists of three broad areas of preparation. These are: General Education requirements for certification which are listed in the section on Teacher Education; Professional Requirements which are listed above; and Teaching Specialization Requirements, the character of which are described below. Upon satisfactorily completing this program, the student will meet the State of Illinois requirements for Elementary certification (K-9).

An advisor in the Department of Curriculum and Instruction will assist the Junior High/Middle School Major planning coursework in both a primary and secondary area of specialization.

Primary Specialization:

A student must complete 1 of the following options:

1. Minor in English (Language Arts), Art, or Music.
2. Specified hours taken from Science, Industrial Technology, Social Sciences, Mathematics, Reading, or Physical Education.

Secondary Specialization:

In addition to the primary specialization, a student must complete a minimum of 18 hours (completes the State of Illinois minimum requirements for teaching in a second field, usually 18 hrs) in another area selected from those listed in 1 and 2 above.

Unlike preparation for senior high school teaching, the junior high/middle school demands broad preparation across the several disciplines that constitute a subject area at this level. To meet these broad field demands in their selected teaching areas, pre-service teachers in the Illinois State program are guided through coursework that is specifically attuned to the curriculum requirements of the junior high/middle school.

A primary feature of the Junior High/Middle School program is the experience that the pre-service teacher gains in working with early adolescent youth in the school environment. Simultaneously with the coursework in the categories previously described, the student in the program engages in a

variety of Clinical Experiences working with students in area junior high/ middle schools. In fulfilling its strong commitment to early adolescent education, Illinois State University works closely with these schools to provide maximal opportunities for majors in the development of teacher-student interaction skills. The prescribed and voluntary internship activity aids the student in making the transition from pre-service to in-service teaching much more effectively and expeditiously. This activity and the other features of this specialized program combine to provide a comprehensive and thorough undergraduate program for teachers as specialists at a school level where few exist.

Certification standards and standards for school recognition by the Illinois State Board of Education relating to the qualifications of teachers as well as those for member schools of the North Central Association are met and considerably exceeded by graduates of the Junior High/Middle School Teacher Education program at Illinois State University.

Urban Education Study:

Students wishing preparation for working with urban populations may elect to complete Urban Education. Urban Education is not a certified area but is an elective option available to students in Elementary Education, Junior High School, Special K-12, High School, Early Childhood, and Special Education programs. Course content and Clinical Experiences are individually designed in keeping with the specific Teacher Education program of the student.

The following includes both on and off-campus coursework experiences in both school and non-school educational settings, and in agency activities: C&I 110 - Introduction to Multicultural Education (3 hrs), C&I 232 - Education in the Inner City: An Introduction (3 hrs), C&I 312 - Urban Field Experiences (6 hrs off campus), C&I 398 - Professional Practice: School/Community Involvement (3 hrs), and C&I 332 - Education in the Inner City (3 hrs).

SECONDARY EDUCATION

NOTE: It is recommended that students progress through the Professional Education requirements in the following order:

1. Begin the process leading to Admission to Teacher Education. This may require more than 1 semester. See Index for Admission to Teacher Education details. Take the Pre-Professional Skills Tests (PPST) in reading, writing, and mathematics as soon as possible. There are no prerequisites for it. **Students must pass all sections of the PPST before they can register for C&I 216.**
2. EAF 228 (Social Foundations), or EAF 231 (Introduction to Philosophy of Education), or EAF 235 (Historical Foundations), 3 hours.
3. PSY 215 (Educational Psychology), 3 hours.
4. C&I 214 (Secondary School Reading) and C&I 215 (Curriculum and Organization Issues in Secondary Schooling), 2 hours each.
5. C&I 216 (Secondary Education), 4 hours.
6. Special Methods course(s) and student teaching as required by each academic department. Check with the advisor in your major department for specific course numbers.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Curriculum and Instruction Courses

110 INTRODUCTION TO MULTICULTURAL EDUCATION US-7 3 F,S,Summer

Materials charge optional.

Exploring the theories and processes for understanding and working with culturally diverse groups in educational settings and the implications for programming at all levels.

130 INTRODUCTION TO EARLY ADOLESCENT EDUCATION 1 F,S,Summer

First course in Junior High/Middle School Seq.

Develops the distinctive role of early adolescent education in the public school, contrasted with elementary and senior high school education.

210 CHILD GROWTH AND DEVELOPMENT 3 F,S

PSY 111 req. Incl Clin Exp: 9 hrs, Exp Type 1-4.

Physical, social, emotional, and mental development of the child from conception through adolescence; methods of studying children and their behavior.

214 SECONDARY SCHOOL READING 2 F,S,Summer

Teacher Ed Seq leading to 6-12 or K-12 cert (other than Spec Ed) only. 2.0 overall GPA. 45 hrs req. C or better in ENG 101 and COM 110 req.

Focuses on techniques for integrating reading in all content areas and on ways to use libraries effectively.

215 CURRICULUM AND ORGANIZATION ISSUES IN SECONDARY SCHOOLING 2 F,S,Summer

Teacher Ed Seq leading to 6-12 or K-12 cert (other than Spec Ed) only. 2.0 overall GPA. 45 hrs req. C or better in ENG 101 and COM 110 req. Incl Clin Exp: 10-15 hrs, Type 1-4, 10.

Focuses on the social, economic, and political forces that influence the development, organization, and purposes of secondary schools.

216 SECONDARY EDUCATION 4 F,S,Summer

2.0 overall GPA. C or better in C&I 215 and PSY 215 req. The same hour free, daily, between the hours of 8:00 a.m. and 3:00 p.m. (8:00 a.m. and noon during summer session) for the 2 to 3-week in-school field experience. All sections of PPST passed. Incl Clin Exp: 55 hrs, Type 1, 2, 4, 5, 10.

Focuses on techniques used by teachers in all subject areas to plan, teach, and evaluate instructional units. Includes microteaching and classroom teaching.

220 READING FOUNDATIONS 3 F,S

C&I 210 or PSY 112 or 215 req. Not for cr if in El Ed Core Program. Incl Clin Exp: 5 hrs, Type 1, 9, 10. Formerly SED 220, READING METHODS.

Study of the reading strategies and reading process.

222 READING ASSESSMENT 3 S

C&I 220 or C&I 255 req; or Education or Psychology measurement rec. Incl Clin Exp: 5 hrs, Type 1, 2, 6, 9, 10. Formerly SED 222, SURVEY OF READING DIAGNOSIS.

Study of the assessment of the reading process.

232 EDUCATION IN THE INNER CITY: AN INTRODUCTION 3 F,S

Social, economic, and cultural forces that contribute to deprivation in urban areas; their specific relationship to education.

233 EDUCATION AND THE EARLY ADOLESCENT 3 F,S,Summer

Junior High/Middle School section: C&I 130 or conc reg req. 2.5 overall and maj GPA. C or better in ENG 101 and COM 110. All sections of PPST passed. Incl Clin Exp: 20 hrs, Type 5. Non-maj section: 2.5 overall and maj GPA. C or better in ENG 101 and COM 110. All sections of PPST passed.

Organizational structure of American public education; provisions for early adolescent education; understanding the characteristics of the early adolescent student; the role of the teacher of early adolescents.

254 MANAGEMENT, MEASUREMENT AND CURRICULUM 3 F,S

El Ed maj only. Jr standing. 2.5 overall GPA. C or better in ENG 101 and COM 110. All sections of PPST passed.

Development of a knowledge base and professional skills to deal effectively with classroom management, measurement, and curriculum.

255 TEACHING READING IN THE ELEMENTARY SCHOOLS 3 F,S

C&I 210 and 254 req. Conc reg in C&I 259.01 req. 2.5 overall GPA. Adm to Teacher Ed req.

Programs, materials, and methods used in teaching reading emphasizing the relationship between reading, the other language arts, and content areas.

256 TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOLS 3 F,S

C&I 210 and C&I 254 req. Conc reg in C&I 259.02. 2.5 overall GPA. Adm to Teacher Ed req.

Teaching language arts emphasizing the inter-relatedness among the language arts and the integration of language arts with other content areas.

- 257 TEACHING SCIENCE IN THE ELEMENTARY SCHOOLS** 3 F,S
9 hrs of science req. including 1 lab course. Conc reg in C&I 259.03 req. 2.5 overall GPA. Adm to Teacher Ed req. Materials charge optional.

Methods associated with effective K-9 science instruction. Emphasis placed upon activity-based instructional strategies.

- 258 TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOLS** 3 F,S
9 hrs of science req including 1 lab course. Conc reg in C&I 259.04 req. 2.5 overall GPA. Adm to Teacher Ed req.

Methods essential to effective K-9 social studies instruction. Focuses on current directions, research, and individual needs of diverse students population.

- 259 FIELD EXPERIENCES IN THE ELEMENTARY SCHOOLS** 1-4 F,S
Conc reg req as follows: C&I 255 with 259.01; C&I 256 with 259.02; C&I 257 with 259.03; and C&I 258 with 259.04. May be repeated. Students responsible for trans to field sites. Each Exp 30 hrs, Type 1.

Field-based experiences for opportunities to observe, plan, and practice.

- 270 ELEMENTARY SCHOOL CURRICULUM** 4 F,S
SED 220 or conc reg req. Incl Clin Exp: 5 hrs, Type 1. Not for cr if El Ed maj.

Development of elementary school curriculum and classroom organization. Current teaching strategies and materials for language arts, science, and social studies.

- 281 CORE I** 7 F,S
ECE maj only. Conc reg C&I 301 and adm to Core rec. Overall and maj GPA 2.5. C or better in ENG 101 and COM 110. All sections of PPST passed. Incl Clin Exp: 36 hrs, Type 1-5.

Study of child growth/development 0-8 years old, integrated with children's literature and drama.

- 282 CORE II** 8 F,S
ECE maj only. C&I 281 and adm to Core rec. Incl Clin Exp: 45 hrs, Type 1-5. Materials charge optional.

Relationship of strategies for effective teaching, development of assessment procedures and use of management systems to planning and delivery of curriculum for K-3. Study of language arts and music.

- 283 CORE III** 8 F,S
ECE maj only. C&I 282 and conc reg 331 rec. Adm to Teacher Ed req. Incl Clin Exp: 45 hrs, Type 1-5. Materials charge optional.

Materials and methods of teaching art, mathematics, science, and social studies.

- 300 EDUCATIONAL ROLE OF PLAY IN EARLY CHILDHOOD** 3 S
Incl Clin Exp: 20 hrs, Type 1-5.

Emphasizes the process of play and its relationship to personal and cognitive development during the first eight years of life. Historical and current theories of play.

- 301 PREKINDERGARTEN EDUCATION** 4 F,S
ECE maj only. C&I 301 rec to be taken conc with Core I. Incl Clin Exp: 18-20 hrs, Type 1-5. Formerly PREKINDERGARTEN EDUCATION PRINCIPLES AND PRACTICES.

Principles and practices of planning, teaching, and evaluating prekindergarten programs. Emphasizes the value of play, living-learning experiences, activities, and materials.

- 303 READING METHODS** 3 F,S
C&I 220 req. Incl Clin Exp: 40 hrs, Type 1, 2, 9, 10. Formerly SED 301, ADVANCED READING METHODS.

Supervised school experiences in assessment and instruction in reading.

- 304 EARLY LITERACY LEARNING** 3 F,S
Early Childhood Education maj/min only. Incl Clin Exp: 5 hrs, Type 1, 6, 9, 10. Formerly SED 304, READING DEVELOPMENT FOR EARLY ELEMENTARY.

Study of early literacy learning and literacy instruction.

- 306 EARLY ADOLESCENCE LITERACY LEARNING** 3 F,S
Junior High/Middle School maj only. Incl Clin Exp: 20 hrs, Type 1, 6, 9, 10. Formerly SED 306, READING DEVELOPMENT FOR EARLY ADOLESCENT.

Study of early adolescent literacy learning and instruction.

- 312 URBAN FIELD EXPERIENCE** 6 Summer
Incl Clin Exp: 100 plus hrs, Type 1-4.

An off-campus, community-based experience in urban schools, local community agencies and state and private institutions serving youth.

- 331 HISTORY AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION** 3 F,S
C&I 300 or 301 req.

Emphasis given to major events and theories having an impact on Early Childhood Education in its contemporary form.

- 332 EDUCATION IN THE INNER CITY** 3 Summer
Incl Clin Exp: 15-20 hrs, Type 1-4.

Problems of educating students living in inner city. Student characteristics, needed teacher skills and attitudes, instructional materials, techniques, school and community programs.

- 333 JUNIOR HIGH/MIDDLE SCHOOL** 3 F,S,Summer
C&I 233 req. 2.5 overall and maj GPA req. Conc reg C&I 390 and 395 req.

Philosophy, functions, curricula of early adolescent education as implemented in junior high/middle schools. Relationships between pupils' developmental characteristics, needs, and behaviors and development of school programs. Problems, issues, evaluation and accreditation of junior high/middle schools.

- 351 SCIENCE METHODS FOR THE MIDDLE SCHOOL** 3 F
Middle School maj only or cons prog coord. C&I 233 req.

Strategies for teaching science which center around developing scientific literacy principles in the early adolescent child.

- 352 SOCIAL STUDIES METHODS FOR THE MIDDLE SCHOOL** 3 S
Middle School maj only or cons prog coord. C&I 233 req. Incl Clin Exp: 10 hrs, Type I-4.

Methods of social studies instruction for pre-service middle school teachers. Includes examination and use of instructional strategies and curriculum materials.

- 390 JUNIOR HIGH/MIDDLE SCHOOL CURRICULUM** 3 F,S
C&I 233 or cons inst req. 2.5 overall and maj GPA req. Adm to Teacher Ed req. Incl Clin Exp: 60 hrs, Type I-5. Conc reg C&I 333 and 395 req.

Methods and materials for teaching-learning experiences at this school level; instructional strategies; classroom management; guidance techniques; and pupil evaluation.

- 395 CURRICULAR DESIGNS, EVALUATION AND PROBLEMS IN EARLY ADOLESCENT EDUCATION** 3 F,S
C&I 390 or conc reg req. 2.5 overall and maj GPA req. Conc reg C&I 333 and 390 req.

Curriculum designs, principles of curriculum development, and problems encountered by practitioners in early adolescent education.

- 398 PROFESSIONAL PRACTICE: SCHOOL/COMMUNITY INVOLVEMENT** 2-6

EDUCATIONAL ADMINISTRATION AND FOUNDATIONS (EAF)

331 DeGarmo Hall, (309) 438-5422

Chairperson: Paul Baker.

Tenure/Tenure-track Faculty:

Distinguished Professors: Baker, Hickrod, Hines.

Professors: Arnold, Daresh, Eisele, Halinski, McCarthy, Pancrazio, Riegle, D. Strand, K. Strand.

Associate Professors: Hecht, Klass, Mogilka, Padavil.

Assistant Professors: Ashby, Blacker, McNeal, Palmer, Watson.

General Department Information

The Department of Educational Administration and Foundations offers courses at the undergraduate level to facilitate Teacher Education programs. For a complete description of the Department's graduate program and offerings, consult the *Graduate Catalog*.

Educational Administration and Foundations Courses

- 228 SOCIAL FOUNDATIONS** 3 F,S
 Education as a social process and function, social origins of contemporary educational problems.

- 231 INTRODUCTION TO PHILOSOPHY OF EDUCATION** 3 F,S
May Incl Clin Exp.

Philosophical inquiry into educational policies and practices.

- 235 HISTORICAL FOUNDATIONS** 3 F,S
 Inquiry into the history of American public schooling.

SPECIALIZED EDUCATIONAL DEVELOPMENT (SED)

533 DeGarmo Hall, (309) 438-5419

Chairperson: Paula Smith.

Tenured/Tenure-track Faculty:

Distinguished Professor: Morreau.

Professors: Aloia, Bowen, Jones, Lee, Lian, McCarty, Smith, Tucker.

Associate Professors: Crowley, Glenn, Lartz.

Assistant Professors: Bakken, DeMario, Hutchins, Noyes, Stephens, Thompson, Wall.

General Department Information

Admission to Special Education Programs:

The undergraduate Special Education program is a selective admission program with a limited number of students admitted to each of the sequences. Students desiring to be admitted to the Special Education program must be admitted to a sequence. For a limited number of students who are unsure of the category of individuals with disabilities with whom they wish to work, there is a General Special Education category. All Special Education undergraduates must have declared a sequence before admission to Teacher Education or no later than the fall semester of their junior year. An overall GPA of 2.5 is required for admission to and retention in Special Education.

Students desiring to change their major to Special Education should follow the procedures described in this *Undergraduate Catalog*.

Changes in major or sequence will be approved only if there are openings in the sequence the student desires to enter.

Professional Requirements Applicable to All Special Education Programs:

All students in Special Education complete 22 to 40 hours of professional requirements, specified for each of the following sequences, in addition to the requirements for their specific sequence. Students in STT 399 (Student Teaching) receive 15-16 hours of credit dependent upon the Special Education sequence in which they are enrolled. Undergraduates in Special Education must be admitted to Teacher Education prior to enrolling in the following courses: SED 224, 245.01, 245.03, 245.04, 245.06, 245.07, 245.08, 245.09, 245.10, 345, 349, 351, 354, 355, 358, and 359.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Special Education Programs

Degrees Offered: B.S., B.S. in Ed.

MAJOR IN SPECIAL EDUCATION

Deaf and Hard of Hearing Sequence:

Sequence requirements: 42 hours required in addition to professional requirements. Part of entitlement program leading to certification: Special K-12. Required courses: ENG 243; PAS 115, 211, 349, 350, 351; SED 130, 230, 330, 353, 354, 355, 359, 370, 375. Professional requirements: 39 hours including C&I 210 or PSY 112; C&I 220, 270 or 390; EAF 228 or 231 or 235; PSY 234; SED 145, 245.08, 245.09, 245.10; STT 399 (15 hrs). Of the 15 hours of STT 399 required in this sequence, 1 experience must be at the elementary level, and 1 experience must be at the junior high/high school level. Admission to Teacher Education is required prior to enrollment in SED 354, 355, 359 and 375. Grade of "C" or higher in SED 130, 230, 245.08, 245.09, 245.10, 330, 353, 354, 355, 359, 370, 375 and a passing score on the sign language proficiency exam required before student teaching.

Learning and Behaviorally Disordered Sequence:

Sequence requirements: 52 hours in addition to professional requirements. Part of entitlement program leading to certification: Special K-12. Required courses: at least 6 hours of Mathematics electives; PAS 115; PSY 234, 247; C&I 220, 270 or 390, 303; SED 221, 223, 224, 363, 370, 380; 6 hours req from: ART 101, 207; COM 240; C&I 110, 232; ENG 170, 271, 272; FCS 310; HPR 222, 225, 349, 359, 370, 372, 374, 386; MUS 371; PSY 333, 360; SED 109, 313, 314, 315, 360; SWK 323, 365. Professional requirements: 30 hours including C&I 210; EAF 228 or 231 or 235; SED 145, 245.06, 245.07; STT 399 (15 hrs). Of the 15 hours of STT 399 required in this sequence, 1 experience must be at the elementary level, and 1 experience must be at the secondary level. Admission to Teacher Education is required prior to enrollment in SED 224, 245.06, 245.07, and 363. A grade of "C" or higher in C&I 303; SED 221, 223, 224, 245.06, 245.07, 363, 370 required before student teaching.

Mentally Handicapped, Educable Sequence:

Sequence requirements: 52 hours in addition to professional requirements. Part of entitlement program leading to certification: Special K-12. Required courses: at least 6 hours of Mathematics electives; PAS 115; PSY 234; C&I 220, 270 or 390, 303; SED 221, 223, 224, 343, 363, 370, 380; 6 hours req from: ART 101, 207; COM 240; C&I 110, 232; ENG 170, 271, 272; FCS 310; HPR 222, 225, 349, 359, 370, 372, 374, 383; MUS 371; PSY 333, 360; SED 109, 313, 314, 315, 360; SWK 323, 365. Professional requirements: 30 hours including C&I 210; EAF 228 or 231 or 235; SED 145, 245.06, 245.07; STT 399 (15 hrs). Of the 15 hours of STT 399 required in this sequence, 1 experience must be at the elementary level, and 1 experience must be at the secondary level. Admission to Teacher Education is required prior to enrollment in SED 224, 245.06, 245.07, and 363. A grade of "C" or higher in C&I 303; SED 221, 223, 224, 245.06, 245.07, 343, 363, 370 required before student teaching.

Mentally Handicapped, Trainable Sequence:

Sequence requirements: 37-39 hours required in addition to professional requirements. Part of entitlement program leading to certification: Special K-12. Required courses: SED 145, 244, 245.02, 245.03, 313, 314, 315, 343, 345, 370, 372, 373, 380; PAS 115. Professional requirements: 22 hours including C&I 210; EAF 228 or 231 or 235; STT 399 (16 hrs), with 8 hours at the elementary level and 8 hours at the junior high/high school level. Admission to Teacher Education is required prior to enrollment in SED 245.03 and 345. Grade of "C" or higher in SED 244, 245.02, 245.03, 343, 345, 372 required before student teaching.

Physically Handicapped Sequence:

Sequence requirements: 49 hours required in addition to professional requirements. Part of entitlement program leading to certification: Special K-12. Required courses: ART 101, 207; BSC 181, 182, 183; ENG 170; at least 3 hours of Geography-Geology electives; FCS 106; HPR 222; at least 5 hours of Mathematics electives; C&I 303; MUS 371; PAS 115; SED 245.01, 349, 385. Professional requirements: 34 hours including C&I 210, 220, 270 or 390; EAF 228 or 231 or 235; PSY 234; SED 145; STT 399 (16 hrs). Of the 16 hours in STT 399 required in this sequence, 8 hours must be at the elementary-level, and 8 hours at the junior high/high school-level. Admission to Teacher Education is required prior to enrollment in SED 245.01 and 349. A grade of "C" or higher in SED 245.01, 349, and 385 required before student teaching.

Visual Disabilities Sequence:

Sequence requirements: 45 hours required in addition to professional requirements. Part of entitlement program leading to certification: Special K-12. Required courses: BEA 108 or department proficiency examination; C&I 303; ENG 170; PAS 115; at least 5 hours of Mathematics electives; SED 245.04, 326, 350, 351, 352, 356, 357, 358, 370; 3 hours required from SED 244, 343, 372, 373, 374, 380, 385. Professional requirements: 34 hours including C&I 210, 220, and 270, or 390; EAF 228, 231, or 235; PSY 234; SED 145; STT 399 (16 hrs). Of the 16 hours in STT 399, 8 hours must be at an elementary-level placement and 8 hours must be at a junior high/secondary-level placement. Admission to Teacher Education is required prior to enrollment in SED 245.04, 351, and 358. A grade of "C" or higher in SED 245.04, 350, 351, 352, 356, 357, and 358 is required for student teaching.

Concentration in Criminal Justice Sciences:

A B.S. in Education with a concentration in Criminal Justice Sciences requires completion of the Special Education Major in Learning and Behavioral Disorders, or the Educable Mentally Handicapped Entitlement Sequence plus 12 hours in the Department of Criminal Justice Sciences as determined by the advisement process.

Specialized Educational Development Courses

109 HELPING RELATIONSHIPS 3 F,S

2 hrs lecture; 2 hrs lab.

Development of human relations skills used in interpersonal communication.

130 AMERICAN SIGN LANGUAGE I 2 F,S

Lab experience req. Formerly SED 330, THE LANGUAGE OF SIGNS AND FINGERSPELLING.

Introduce basic vocabulary, grammatical structure, and characteristics of American Sign Language. Examine application of American Sign language in social and educational settings.

145 INTRODUCTION TO SPECIAL EDUCATION 3 F,S

Incl Clin Exp: Approx 10-12 hrs, Type 1.

Provides survey of all areas in special education related to services for individuals with disabilities.

221 FUNDAMENTALS OF TEACHING SPECIAL EDUCATION 3 F,S

SED 145 req. Maj only or cons dept chair req. Incl Clin Exp: Approx 10 hrs, Type 1 and 10. Students responsible for trans to Clin sites. Materials charge optional.

Introduction to teaching in special education including legal aspects, structure of services, roles of the teacher, background knowledge in classroom management/remediation.

223 EDUCATIONAL ASSESSMENT OF STUDENTS WITH MILD DISABILITIES (LD/BD/EMH) 3 F,S

PSY 234 req. Maj only or cons dept chair req. Materials charge optional.

Techniques for gathering, analyzing and utilizing assessment data to develop individualized educational programs for mildly disabled children and youth.

224 CURRICULUM AND METHODS FOR TEACHING STUDENTS WITH MILD DISABILITIES (LB/BD/EMH) 6 F,S

SED 221, 223, 370, and C&I 270 or 390, and 303 req. Conc reg in SED 245.06, 245.07, and 363. Maj only or cons dept chair req. Adm to Teacher Ed req. Part of field-based programs offered in Bloomington/Normal, Peoria, and Arlington Heights, IL. Students must provide own trans to field sites. An app must be filed for acceptance to one of the field-based programs. Materials charge optional.

Curriculum and materials for teaching academic and social skills; direct and systematic instruction, evaluation/adaptation of materials and media.

230 AMERICAN SIGN LANGUAGE II 2 F,S

SED 130 or cons inst req. Lab experience req. Formerly SED 331, CONVERSATIONAL SIGN LANGUAGE.

Expands vocabulary, grammatical structure, and characteristics of American Sign Language. Conversational usage in both receptive and expressive communication is stressed.

244 CURRICULUM FOR STUDENTS WITH MODERATE/SEVERE MENTAL RETARDATION 3 F

Analysis of curricular approaches, areas and levels as related to characteristics and needs of individuals with mental retardation.

245 FIELD WORK IN SPECIAL EDUCATION 1-6 F,S

Adm to Teacher Ed. req. May be repeated. Incl Clin Exp: 90-400 hours, Type 1-4. Students responsible for trans to Clin sites.

Supervised Clin Exp in Special Ed programs in schools, clinical facilities, community agencies, residential institutions. Topic .01 Physical Disabilities; Topic .02 Intro TMH & S/P; Topic .03 Educ of TMH; Topic .04 Visual Disabilities; Topic .05 Educ of S/PHC; Topic .06 EMH; Topic .07 LD/BD; Topic .08 Deaf and Hard of Hearing-Language; Topic .09 Deaf and Hard of Hearing-Speech; Topic .10 Deaf and Hard of Hearing-Reading and School Subjects.

313 SPECIAL ADAPTATIONS FOR INDIVIDUALS WITH VISUAL DISABILITIES 1 F

Not for cr to students specializing in Visual Disabilities.

Implications of visual disabilities for the individual in educational, travel, vocational and other settings.

314 SPECIAL ADAPTATIONS FOR INDIVIDUALS WITH PHYSICAL DISABILITIES 1 F

Not for cr to students specializing in Physical Disabilities. Incl Clin Exp: approx 6 hrs, Type 1 and 6.

Implications of physical disabilities for the individual in educational, travel, vocational, and other settings.

315 SPECIAL ADAPTATIONS FOR INDIVIDUALS WITH HEARING DISABILITIES 1 F

Not for cr to students specializing in Hearing Disabilities. Incl Clin Exp: approx 2 hrs, Type 1.

Implications of hearing disabilities for the individual in educational, travel, vocational, and other settings.

326 BRAILLE WORD PROCESSING 1 S

SED 352, 356, or cons inst req. Materials charge optional.

Paperless braille word processing hardware as a stand-alone system and interfaced with braille embossers, inkprint printers, other peripherals; use of Grade 2 transcription.

330 ENGLISH SIGN SYSTEMS 3 F,S

SED 130, 230; lab req.

Examines the use of visual English systems in educational settings. Introduces basic school vocabulary and characteristics of English sign systems. Includes sign proficiency exam required for student teaching.

343 MENTAL RETARDATION 3 F,S

Medical, psychological and sociological characteristics and behavior of individuals with mental retardation. Methods of classification, etiology and rehabilitative aspects.

- 345 EDUCATION OF STUDENTS WITH MODERATE/SEVERE MENTAL RETARDATION** 3 F,S
SED 244 or 445, and 343 or conc reg req. Conc reg in appropriate Clin Exp (SED 245.03 or 431.56) or cons inst req. Adm to Teacher Ed req.

Classroom organization strategies, teaching methods and materials for curriculum content areas across the psycho-social, applied and cognitive domains for individuals from birth through adulthood.

- 346 EDUCATION OF STUDENTS WITH MILD MENTAL RETARDATION** 3 S
SED 343 or cons dept chair req. Materials charge optional.

Objectives, curriculum, and methods for teaching individuals with mild cognitive disabilities.

- 349 EDUCATIONAL ASSESSMENT AND TEACHING OF STUDENTS WITH PHYSICAL DISABILITIES** 4 S
SED 385 or cons inst req. Conc reg in appropriate Clin Exp (245.01 or 431.61). Adm to Teacher Ed req. Formerly EDUCATIONAL DIAGNOSIS AND TEACHING OF THE PHYSICALLY HANDICAPPED.

Application of educational assessment to educational programming and teaching of individuals with physical disabilities.

- 350 INTRODUCTION TO VISUAL DISABILITIES** 4 S
SED 145 or cons dept chair req. Incl Clin Exp: approx 10 hrs, Type 1.

Impact of visual impairments on development; basic anatomy of the eye; types, causes, and educational implications of eye disorders; educational programming.

- 351 EDUCATION AND ASSESSMENT OF STUDENTS WITH VISUAL DISABILITIES** 3 F
SED 350 and 356, or cons dept chair req. Adm to Teacher Ed req.

Application of educational diagnosis to educational programming and instruction of individuals with visual disabilities.

- 352 BRAILLE READING AND WRITING** 3 S
Cons dept chair req. Materials charge optional.

Preparation in reading and writing using the Braille Literary Code. Includes an introduction to Braille Textbook Format.

- 353 EDUCATION OF DEAF STUDENTS** 2 F,S
SED 145 or cons dept chair req. Incl Clin Exp: approx 10 hrs, Type 1.

Psychological, social, historical, and educational problems relating to education of individuals with hearing impairments.

- 354 TEACHING LANGUAGE TO DEAF AND HARD OF HEARING STUDENTS** 3 F,S
SED 130, 230, 330, 353 or cons dept chair req. Conc reg in SED 245.08. Adm to Teacher Ed req. Formerly SED 355, THE TEACHING OF LANGUAGE TO DEAF STUDENTS.

Principles and techniques of developing and teaching language to deaf and hard of hearing students at all grade levels, K-12.

- 355 TEACHING SPEECH TO DEAF AND HARD OF HEARING STUDENTS** 3 F,S
SED 354 and PAS 211 or cons dept chair req. Conc reg in SED 245.09 req. Adm to Teacher Ed req. Formerly SED 354, THE TEACHING OF SPEECH TO DEAF STUDENTS.

Principles and techniques of developing and teaching speech to hearing impaired students at all grade levels, K-12.

- 356 COMMUNICATION SKILLS FOR STUDENTS WITH VISUAL DISABILITIES** 3 S
SED 352 req. Materials charge optional.

Preparation in reading and writing using Nemeth Code in teaching mathematics and communication skills to individuals with visual disabilities.

- 357 ORIENTATION AND MOBILITY FOR CLASSROOM TEACHERS** 2 F
 Practicum in basic daily living skills and rudimentary mobility techniques for individuals with visual disabilities.

- 358 READING AND LANGUAGE ARTS FOR STUDENTS WITH VISUAL DISABILITIES** 3 F
C&I 220 and 303; SED 350 and 352 req. Adm to Teacher Ed req. Formerly READING BY BRAILLE AND OPTACON.

Development of competencies to teach reading and language arts to students who use print, braille, and auditory media. Instructional techniques and materials emphasized.

- 359 TEACHING READING AND SCHOOL SUBJECTS TO DEAF AND HARD OF HEARING STUDENTS** 3 F,S
SED 354 req. Conc reg in SED 245.10 req. Adm to Teacher Ed req. Formerly THE TEACHING OF SCHOOL SUBJECTS TO DEAF STUDENTS.

Teaching reading and other core subjects to deaf and hard of hearing students at all grade levels.

- 360 SCHOOL COUNSELING** 3 S
 Backgrounds, philosophy, and services in school counseling programs. Conceptual models emphasize educational, developmental, and preventive approaches to planned change.

- 362 BASIC SKILLS IN COUNSELOR EDUCATION** 3 F,S
Lecture and lab.

Introduction to, and laboratory practice in, the basic procedures and skills of counseling.

- 363 FAMILY COUNSELING** 3 F,S
 Theories and techniques of child-management, consultation procedures, parent and family education, and counseling.

- 370 INSTRUCTIONAL PROGRAMMING FOR STUDENTS WITH DISABILITIES** 3 F,S
May Incl Clin Exp: approx 10-12 hrs, Type 1-4.

Procedures for determining individual behavioral needs, designing instructional sequences, implementing behavior change programs, and evaluating effects of programs for individuals with disabilities.

372 EDUCATIONAL ASSESSMENT OF INDIVIDUALS WITH SEVERE AND PROFOUND DISABILITIES 3 S
Formerly ASSESSMENT OF INDIVIDUALS WITH PROFOUND DISABILITIES.

Application of diagnostic skills to the assessment of severely and profoundly disabled individuals, designing individualized programs, and evaluating client progress and program effectiveness.

373 SPECIAL EDUCATIONAL INTERVENTION WITH PARENTS OF INDIVIDUALS WITH DISABILITIES 3 S
C&I 210, a teaching methods course, or equiv req.

Theoretical and practical aspects of providing special educational intervention to parents of disabled learners.

374 EDUCATIONAL ASSESSMENT OF PRESCHOOL CHILDREN WITH DISABILITIES 3 F,S
SED 145 or cons inst req.

Techniques and issues involved in gathering, analyzing and synthesizing data for developing and monitoring individualized educational programs for preschool children with disabilities.

375 ASSESSMENT AND PLANNING FOR DEAF AND HARD OF HEARING STUDENTS 3 F,S
PSY 234; SED 354, 355 and 359, or 359 conc reg req.

Examines assessment tools and techniques for developing an individualized educational program for students who are deaf and hard of hearing.

380 EMPLOYMENT ANALYSIS FOR INDIVIDUALS WITH DISABILITIES 3 F,S
Materials charge optional.

Developing vocational/career education programs and synthesizing employment opportunities for students with disabilities.

385 PHYSICAL DISABILITIES; SURVEY AND REHABILITATION 3 F
BSC 381 or HPR 282 req. Also offered as HPR 385. Lecture and lab. Incl Clin Exp; approx 16 hrs, Type I, 3, 6.

Identification and treatment of physical disabilities of children; special services, equipment, and procedures for school programs.

UNIVERSITY-WIDE TEACHER EDUCATION PROGRAM REQUIREMENTS

This section of the *Undergraduate Catalog* provides information needed by students in Teacher Education programs. Students seeking further information or clarification on information presented here should contact the Office of Clinical Experiences and Certification Processes (CECP), located in DeGarmo Hall. Information pertaining to requirements for admission to Teacher Education and matters related to certification in Illinois State University programs is provided to all Teacher Education majors by the CECP Office.

Each student who completes a bachelor's degree program in an approved Teacher Education program, and who is recommended for certification by the Dean of the College of Education as having completed all requirements (General Education, Professional Education, and field of study or area of specialization) is recommended for a teaching certificate in the State of Illinois. When a student has completed all of the requirements for a degree, including a recommendation from the Dean of the College of Education, the Evaluation Office at Illinois State University will send to the student the documentation necessary to apply for the appropriate Illinois Teaching Certificate. In order to satisfy Illinois certification requirements, all candidates must pass a test of basic skills (reading, writing, grammar, and mathematics) and a subject matter knowledge test administered by the Illinois State Board of Education.

Students who have already completed one or more non-teaching degrees and now seek admission to Teacher Education are advised to seek admission to the University as a candidate for a second bachelor's degree. Subsequent transcript analysis may determine that a second degree is not required. In this instance, the student who received a degree from a state Teacher Education approved institution will be allowed to complete the requirements for certification without completing the requirements of the second bachelor's degree. Students are advised that the Teacher Education certification requirements provided here are for Illinois and that they should check certification requirements for other states if they desire to be certified for teaching elsewhere.

Students who complete a bachelor's degree program in Teacher Education at Illinois State University also have their transcripts stamped, *Student has completed a state and NCATE approved program in Teacher Education.* (NCATE is the National Council for Accreditation of Teacher Education). This statement indicates that the program has received state approval and national accreditation. This status usually makes it easier to obtain a teaching certificate in another state. **NOTE:** Experienced teachers may be eligible for certificates from the Illinois State Board of Education by transcript evaluation. This certificate is not associated with an NCATE program, does not have the endorsement of the institution granting the course credit, and is not recognized by other states.

Eligibility for certification is open to anyone who is legally present in the United States and is authorized for employment. For specific details, contact the Office of Clinical Experiences and Certification Processes. Students interested in completing a Teacher Education program at Illinois State must (1) be admitted to Teacher Education, (2) complete General Education and Professional Education requirements including a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences, field of study or area of specialization coursework appropriate to the Early Childhood Education, Elementary, Junior High/Middle School, High School, Special K-12, or Special Education curriculum, (3) successfully complete student teaching, (4) have a 2.50 overall GPA in all work taken at Illinois State, and (5) be recommended for certification by the Dean of the College of Education.

Individuals convicted of a felony should contact the Office of Clinical Experiences prior to application for Admission to Teacher Education. *Applicants convicted of certain types of felony crimes may not be approved for certification by the State Certification Board.*

Certification Programs

Students who fail to maintain the specific GPA required by their teaching or other certification program may be dismissed from that program. At the option of the Department, students dropped from the program may pursue a degree in their major or be classified as General Students and will receive academic advisement from the Academic Advisement Center. In order to become candidates for a certification program after being dropped, students must be accepted by the department in which they desire to pursue a certification program.

Council for Teacher Education

Five colleges of Illinois State University offer bachelor's degree programs that lead to teacher certification in the State of Illinois. These five colleges include the College of Applied Science and Technology, the College of Arts and Sciences, the College of Business, the College of Education, and the College of Fine Arts. The Council for Teacher Education is responsible for developing requirements for Teacher Education and for providing avenues of communication among all of the areas of the University concerned with Teacher Education. The Dean of the College of Education serves as the University's certification officer and is responsible for maintaining the relationship between campus programs and state certification officials.

Admission-Retention Requirements:

The following requirements concerning admission-retention in Teacher Education apply to all students pursuing Teacher Education programs in any department of any college of the University.

The Office of Clinical Experiences and Certification Processes administers the procedures for admission to Teacher Education based upon eligibility requirements established by the Council for Teacher Education. Additional departmental and academic major requirements for admission to Teacher Education may be established by Departments with approval of the Council for Teacher Education. A student should obtain information about departmental and academic major requirements from the department of the student's major field.

Selective Admission

Eligibility for Admission to Teacher Education:

- Students, including those who transfer to Illinois State, must be registered in an Education major or sequence as identified in the *Undergraduate Catalog*.
- Application for admission to Teacher Education should be made after the completion of 30 hours.
- Students must meet the GPA requirements for admission to Teacher Education described below at the time of admission and must maintain the average for the remainder of the program. A student must have an Illinois State University cumulative GPA of 2.50 or higher for all undergraduate credit. Most programs also require a 2.50 or higher GPA in courses taken at Illinois State University which fulfill the requirements of the major including all Professional Education courses when Professional Education courses are listed separately in the *Undergraduate Catalog*. Students should check with their major departments regarding specific GPA requirements for admission to Teacher Education.

- A student must demonstrate written communication skills in one of the following ways:
 - The student must have earned a "C" or higher in English 101 at Illinois State University.
 - The student must have earned a "C" or higher in an equivalent English course taken at another university as approved by Illinois State University.
 - The student passes the English proficiency exam given by the Department of English at Illinois State University.
- A student must demonstrate oral communication skills in one of the following ways:
 - The student must have earned a "C" or higher in COM 110 at Illinois State University.
 - The student must have earned a grade of "C" or higher in an equivalent Speech course taken at another university as approved by Illinois State University.
- A student must satisfactorily pass a speech check conducted by the Department of Speech Pathology and Audiology.
- A student must pass a basic skills test in reading, writing, and mathematics. (A fee is assessed.)
- A student must satisfy criteria for departmental approval for admission to Teacher Education.

Admission Procedures:

Students may initiate, monitor, and assess their status regarding admission to Teacher Education through the use of a mainframe computer terminal. For specific directions and accompanying documents, please contact the Office of Clinical Experiences and Certification Processes, 310 DeGarmo Hall. Students should check with the major Department regarding specific departmental procedures and requirements for admission to Teacher Education. Additionally, students may be requested to complete the following:

- Interviews: All students should be available for interviews upon request.
- Entrance, Psychological, or Aptitude Exams: Students may be requested to take certain examinations for the purpose of assessing potentiality for teacher preparation and educational careers.

Students who are denied admission to Teacher Education or student teaching may file a petition for a hearing. Specific information regarding procedures for a hearing in accordance with the University's *Student Rights and Responsibilities* and with the requirements of the Council for Teacher Education may be obtained in the Office of Clinical Experiences and Certification Processes.

Selective Retention

Students are required to maintain the qualification requirements for admission to Teacher Education from the point of admission to the point of certification.

Admission to Teacher Education is a prerequisite for enrollment in certain courses of the program. The prerequisite is listed in this *Undergraduate Catalog* for each of the specified courses.

A student must be formally admitted to Teacher Education and have satisfied all stipulated prerequisites prior to being assigned to student teaching.

Approved Teacher Education Programs

The list below includes all undergraduate Teacher Education programs approved by the State of Illinois and the National Council for Accreditation of Teacher Education (NCATE).

Early Childhood Education (This certificate extends from Birth through Grade 3).

Elementary (K-9): Elementary Education; Middle School/Junior High School.

Secondary (6-12): Agriculture; Biological Sciences; Business Education; Chemistry; Dance; English; Family and Consumer Sciences; French; Geography; German; Health Education; History (only); Industrial Education; Mathematics; Physical Education; Physics; Social Sciences (including History); Spanish; Speech Communication; Theatre.

Special (K-12): Art; Business Education; Music; Physical Education; Blind and Partially Seeing (Visually Handicapped); Deaf and Hard of Hearing; Educable Mentally Handicapped (Mentally Handicapped-Educable); Learning Disabilities-Social/Emotional Disorders (Learning and Behaviorally Disordered); Physically Handicapped; Speech and Language Impaired (Speech Pathology-Graduate Level)*; Trainable Mentally Handicapped (Mentally Handicapped-Trainable).

*Students in the Speech and Language Impaired Program may take appropriate course work at the undergraduate or graduate level, but State of Illinois certification is only given at the successful completion of the master's degree.

NOTE: Teaching certificates are available at the graduate level for Reading and all areas of Special Education. Graduate level programs are also available for Counseling, School Psychology, and School Administration.

All students enrolled in the University's approved Teacher Education programs should read carefully the High School, Special K-12, Junior High/Middle School, Elementary, Early Childhood Education, or Special Education section following for Professional Education requirements (including a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences prior to student teaching) and *Field of Study or Area of Specialization (Major/Minor) requirements*. Students must also complete the appropriate General Education requirements.

Teacher Education Major and Minor:

To receive a certificate a student must complete a Teacher Education sequence for one of the majors listed previously. A student may also complete requirements for any other major or minor.

Students seeking a high school teaching certificate through one of the following fields must also complete the requirements for a second teaching field: Chemistry, Dance, Geography, Health, Physics, Speech, and Theatre.

A grade point of 2.5 or higher is required in both the first and second teaching fields. The respective department will provide information on course work needed to complete the second teaching field.

Endorsements: The minimum course requirements for teaching fields for elementary and high school certificates are defined by the State of Illinois and are listed on the certificate as an endorsement. One or more endorsements will be earned by completing requirements for the elementary or high school

certification programs at Illinois State University. Additional endorsements may be earned through the completion of the specified course work. Contact your advisor for information on requirements for endorsements.

General Education

To meet requirements of the Illinois State Board of Education, all Teacher Education programs must include a component of General Education. Those requirements are outlined below for each of the two groups of certificates. Each student seeking a certificate will have the program of studies evaluated for completion of these requirements. The list of courses which meet the requirements can be reviewed at the Academic Advisement Office or from a department advisor for Teacher Education. The student who completes the University Studies program requirements is encouraged to work closely with an academic advisor in determining the appropriate selection of courses to avoid unnecessary duplication of coursework. Completion of University Studies does not ensure that the requirements for certification have been met.

Early Childhood and Elementary:

Majors in Early Childhood Education, Elementary Education, and Junior High/Middle School Education must complete the following 71-hour General Education requirements, as specified by the State of Illinois, for their respective teaching certificates:

1. **Communication Skills** (9 hrs): 3 hours of Oral Communication (COM 110 or equiv) and 6 hours of Written Communication (ENG 101 and ENG 145 or equiv).
2. **Mathematics and Science** (18 hrs): 6 hours of Mathematics (MAT 151 and 152 or 202 or equiv); and 12 hours of Biological and Physical Sciences, including one laboratory course.
3. **Humanities*** (15 hrs): 3 hours of American History**; 3 hours of English; and 9 hours of History**, English, Literature, Foreign Language, Fine Arts (Art, Music, Theatre), Linguistics, and/or Philosophy. **NOTE:** For Early Childhood Education the specific 3 hours of English is not required and the total hours of Humanities is 12.
4. **Social Sciences*** (9 hrs): 3 hours of American Government (POS 105 or equiv); and 6 hours of Political Science, Anthropology, Cultural Geography, Economics, Psychology, and/or Sociology. **NOTE:** For Early Childhood Education 12 hours of Social Sciences (3 hours of American Government) is required.
5. **Health and Physical Development** (2 hrs): 2 hours of Health and/or Physical Development.
6. **Additional Study** (18 hrs): Additional study in one discipline chosen from the disciplines listed in 2, 3, and 4 above which includes a minimum of 9 hours of upper-division coursework.

TOTAL of 71*** hours.

High School and Special: The following 47 hours of general education requirements, as specified by the State of Illinois, apply to individuals seeking a Standard Special K-12 teaching certificate or a Standard High School 6-12 teaching certificate. See the sections on each certificate for a list of Teacher Education majors available at Illinois State University.

1. **Communication Skills** (9 hrs): 3 hours of Oral Communication (COM 110 or equiv) and 6 hours of Written Communication (ENG 101 and 145 or equiv).

2. **Mathematics and Science** (12 hrs): 3 hours of Mathematics; and 9 hours of Biological and Physical Sciences, including one laboratory course.****
3. **Humanities*** (15 hrs): 3 hours of American History**; 3 hours of English; and 9 hours of History**, English, Literature, Foreign Languages, Fine Arts (Art, Music, Theatre), Linguistics, and/or Philosophy.
4. **Social Sciences*** (9 hrs): 3 hours of American Government (POS 105 or equiv); and 6 hours of Political Science, Anthropology, Cultural Geography, Economics, Psychology, and/or Sociology.
5. **Health and Physical Development** (2 hrs): 2 hours of Health and/or Physical Development.

TOTAL of 47*** hours. (Hours of credit counted for the purpose of meeting General Education requirements may also be counted for the certification major field of specialization.)

*At least one 3-hour course must be taken in Non-Western or Third World Cultures from either the Humanities or Social Sciences.

**Courses in American History or History may be applied toward meeting either the Humanities or the Social Science requirements.

***In addition to hours of credit awarded, acceptance of competencies equivalent to the hours of credit prescribed will be counted if officially recorded on a college or university transcript.

****Both Biological and Physical Science credit must be included.

Early Childhood Education (Grades Pre-K-3)

Candidates completing the Early Childhood Education Major will earn a certificate for teaching in preschool through grade 3. To complete the requirements for this certificate, the student must complete (1) the General Education requirements for an Early Childhood certificate and (2) the Professional Education requirements for the Early Childhood Education Major. The General Education requirements are listed in the previous section for Early Childhood Education certification. Students should work closely with an advisor in selecting courses which will meet the University Studies and General Education requirements for certification. Professional Education requirements are provided in the Department of Curriculum and Instruction section of this *Undergraduate Catalog*. Students will also complete a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences prior to student teaching, STT 399.

Elementary School (Grades K-9)

Candidates completing the Elementary Education Major will earn a certificate for teaching in kindergarten through ninth grade. The student may also elect to complete requirements for one or more endorsements to teach upper-level elementary/junior high/middle school subjects. To complete the requirements for this certificate, the student must complete (1) the General Education requirements for an Elementary certificate and (2) the Professional Education requirements for the Elementary Education Major. Previously listed are the requirements for General Education for Elementary Education certification. Students should work closely with an advisor in selecting courses which will fulfill the requirements of University Studies, General Education for certification, and optional endorsements. Professional Education requirements are provided in the Department of Curriculum and Instruction section of this *Undergraduate Catalog*. Students will also complete a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences prior to Student Teaching, STT 399.

Requirements for endorsements are available in the Office of Academic Advisement and from departmental advisors. Endorsements to the certificate are required in order to teach departmentalized courses in the upper elementary, middle-school, or junior-high schools.

Junior High/Middle School (Grades K-9)

Candidates completing the Junior High/Middle School Major will earn a certificate for teaching in kindergarten through ninth grade with two or more endorsements to teach upper-elementary/junior high school subjects. To complete the requirements for this certificate, the student must complete (1) the General Education requirements for an Elementary certificate, (2) the Professional Education requirements for the Junior High/Middle School Major, and (3) Fields of Study requirements. The requirements for General Education are listed in the previous section for Elementary Education certification. Students should work closely with an advisor in selecting courses which will meet the requirements of University Studies, General Education for certification, and the field(s) of study. Professional Education requirements are provided in the Department of Curriculum and Instruction section of the *Undergraduate Catalog*.

Students in the program may prepare themselves to teach in selected subject areas of the junior high/middle school: Language Arts, Science, Social Studies, Health, Physical Education, Mathematics, Industrial Arts, Family and Consumer Sciences, Art, Music, and Reading. See the description for the Junior High/Middle School program in the Curriculum and Instruction section of the *Undergraduate Catalog*. Students should confer with their academic advisors when selecting courses in the areas of concentration so that such courses may enable them to meet the Illinois State Board of Education requirements for endorsements. A certificate must be endorsed in order to teach junior high and departmentalized upper elementary in the following section.

High School (Grades 6-12)

Candidates completing a Teacher Education sequence of a specified major will earn a certificate for teaching grades 6-12. To complete requirements for this certificate, the student must complete (1) the General Education requirements for High School Certificates, (2) the Professional Education requirements for Secondary Majors, and (3) field of study requirements. The requirements for General Education are previously listed. Professional Education and field of study requirements are listed in the following section.

Students seeking secondary education certification (6-12) interested in teaching in a departmental Middle School and a Junior High will need a Junior High/Middle School endorsement after July 1st, 1997. For specific details, contact the Teacher Education advisor in the respective academic area.

Professional Education Requirements:

Each student preparing to teach at the secondary level (6-12) must complete the following Program: EAF 228 or 231 or 235 (3 hrs); PSY 215 (3 hrs); C&I 214 (2 hrs), 215 (2 hrs), 216 (4 hrs); all Professional Education courses must be passed with a grade of "C" or higher; a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences prior to student teaching; and Student Teaching, STT 399. Special Methods courses are listed as part of the academic major. Courses to meet Professional Education requirements may not be taken for CT/NC.

Fields of Study Requirements:

The student must complete a Teacher Education sequence of a specified major to earn a 6-12 teaching certificate. The approved Teacher Education Major or Comprehensive Major may be selected from the following programs which are described in detail in the undergraduate Fields of Study section of this *Undergraduate Catalog*. Education minors or a second major may be elected by any student.

Fields of Study:

Agriculture—Education Major
 Anthropology—Education Minor
 Art—Education Minor
 Biological Sciences—Education Major and Education Minor
 Business Education—Education Major and Education Minor
 Chemistry—Education Major and Education Minor
 Economics—Education Minor
 English—Education Major and Education Minor
 Family and Consumer Sciences—Education Major
 French—Education Major and Education Minor
 Geography—Education Major and Education Minor
 German—Education Major and Education Minor
 Health—Education Major and Education Minor
 History—Education Major and Education Minor
 Industrial Technology Major—Industrial Education Sequence
 Journalism—Education Minor
 Mathematics—Education Major and Education Minor
 Music—Education Minor
 Philosophy—Education Minor
 Physical Education—Education Major and Education Minor
 Physics—Education Major and Education Minor
 Political Science—Education Minor
 Psychology—Education Minor
 Reading—Education Minor
 Russian—Education Minor
 Social Sciences—Education Major
 Sociology—Education Minor
 Spanish—Education Major and Education Minor
 Speech Communication—Education Major and Education Minor
 Teaching English as a Second Language—Education Minor
 Theatre—Education Major and Education Minor
 Traffic and Safety—Education Minor

Students should confer with their academic advisors when selecting courses in the minor area so that such courses may enable them to meet requirements of the Illinois State Board of Education endorsements which must be satisfied in order to teach in high schools in Illinois. Requirements of endorsements are available from Department advisors and the Office of Academic Advisement.

Special (Grades K-12) - other than Special Education

Candidates completing a comprehensive major in select fields of study may earn a certificate for teaching the subjects named therein in all grades of the common school. To complete requirements for this certificate, the student must complete (1) the General Education requirements for a High School Certificate, (2) the Professional Education requirements for K-12 majors, and (3) field of study requirements. The requirements for General Education are previously listed. Professional Education and field of study requirements are listed in the following section.

Professional Education Requirements:

Each student preparing to teach at the K-12 level must complete the following courses: EAF 228 or 231 or 235 (3 hrs); PSY 215 (3 hrs); C&I 214 (2 hrs), 215 (2 hrs), 216 (4 hrs); all Professional Education courses must be passed with a grade of "C" or higher; a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences in K-12 sites; Student Teaching 399. Students enrolled in Special K-12 programs will be assigned to do student teaching in K-12 sites. Courses to meet the Professional Education requirement may not be taken for CT/NC.

Fields of Study Requirements:

The approved Teacher Education program for students enrolled in the Special K-12 Program may be selected from the following programs which are described in detail in the undergraduate Fields of Study section of the *Undergraduate Catalog*:

Art—Comprehensive Education Major
 Business Education—Business Education Major Option
 Music—Education Major
 Physical Education—Education Major
 Speech Pathology—Comprehensive Education Major (students must have a master's degree in the field to obtain the Illinois Certificate in Speech and Language and the ASHA Clinical Certificate.)

Students who complete one of the programs above and earn a K-12 certificate may teach only in that area. Students may complete any minor listed for the 6-12 certificate but may not teach in that area until a 6-12 certificate is granted through entitlement or transcript evaluation. Students should confer with their academic advisors when selecting courses in the minor area so that such courses may enable them to meet requirements of the Illinois State Board of Education.

Special Education (K-12)

Students in Special Education may complete a sequence in any of the following areas: Learning and Behaviorally Disordered, Deaf and Hearing-Disabled, Mentally Handicapped-Educable, Mentally Handicapped-Trainable, Physically Handicapped, and Visual Disabilities. To ensure full certification, the pattern of preparation should include General Education as previously described, and the Professional Education and Area of Specialization requirements described in the Specialized Educational Development section of this *Undergraduate Catalog*.

All students will complete a minimum of 100 clock hours of approved pre-student teaching Clinical Experiences in K-12 sites. Students enrolled in the approved Special Education sequences will be assigned to do student teaching in K-12 sites.

Clinical Experiences in Teacher Education

Observation, participation, studies of individual pupils, simulated teaching, individual field work, student teaching and practicum are included in the Clinical Experiences program. The experiences offered prior to student teaching are usually integral parts of specific college courses. Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. The Office of Clinical Experiences and Certification Processes coordinates all placements for Clinical Experiences. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching;

students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description in the *Undergraduate Catalog*. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Student Teaching Requirements

The following applies to all those student teaching:

The minimum requirement in student teaching is full-day for at least 10 weeks (e.g., a minimum of 50 attendance days). All assignments also require 36 clock hours of clinical work for each semester hour of credit (e.g., 10 semester hours—360 clock hours). More clock hours of clinical work are required in Speech Pathology.

The number of semester hours of student teaching required varies with the student's curriculum. A student does student teaching in his or her major field of study. A student must meet all eligibility requirements for student teaching in that major field.

The following requirements must be met prior to participation in student teaching. Students may be removed from the student teaching assignment if at any time these requirements are not met.

1. Approval for student teaching by the Director of Clinical Experiences and Certification Processes (CECP). This approval will include verification of all of the following:
 - a. formal admission to Teacher Education at least 1 semester prior to the beginning of the student teaching semester;
 - b. successful completion at Illinois State University of at least 4 hours of Professional Education approved by the appropriate education department and the Director of CECP;
 - c. a minimum of 85 hours of college credit earned;
 - d. a minimum cumulative 2.50 GPA for all coursework completed at Illinois State University and a minimum major GPA for all coursework fulfilling major requirements for student teaching. The major GPA will include Professional Education courses which may be listed separately in the *Undergraduate Catalog*. Required major GPA's vary according to departmental criteria;
 - e. documentation of completion of at least 100 clock hours of approved pre-student teaching Clinical Experiences;
 - f. have on file in the Office of CECP a negative tuberculosis test statement from the University Student Health Service or other medical agency;
 - g. if requested, a statement from a physician indicating the student is emotionally capable of completing the duties of a certified teacher;

- h. a written application for student teaching filed in the Office of CECP at least 6 months prior to the planned student teaching semester;
 - i. satisfactory completion of prerequisite courses to STT 399 (listed under University-wide Courses).
2. Approval for student teaching by the student's major department chairperson or designee. This approval will be based on all of the following:
 - a. content knowledge in the student's major area of study (and minor if a minor is required);
 - b. professional knowledge necessary for performing teaching responsibilities;
 - c. performance during the pre-student teaching Clinical Experiences;
 - d. evidence of personality characteristics and interpersonal skills necessary for working with children and youth;
 - e. completion of all other departmental requirements (see major department for additional requirements.)

Student Teaching Assignments

The University will assign student teachers to selected schools or clinical centers in Illinois during regular semesters. Personnel of the Office of Clinical Experiences and Certification Processes, in cooperation with the head of the student's major department, make the student teaching assignments and other procedures involved in student teaching. Student teachers are assigned only to classrooms that have regularly employed full time and fully qualified teachers. Assignments are not made to a school in which the student teacher is concurrently employed as a teacher nor usually not to schools that are in his/her home communities or in communities in which she/he is currently residing. A student teacher may not earn academic credit and receive a salary or an income for the same teaching experience.

During this period in the school, the student teacher works with one or more supervising teachers who are responsible for teaching a specific group or groups of pupils. These supervising teachers, along with the college supervisors, have responsibility for guiding and evaluating the work of the student teacher. During this experience, the student becomes a member of the school staff and of the community in which he or she is working (co-curricular activities and community affairs are a part of the student teaching experience).

Any student who has a prolonged illness or temporary disability and who is unable to continue in his/her student teaching assignment should consult with the Director of the Office of Clinical Experiences. A clearance from a physician will be required stating that the student is again able to continue in his/her student teaching assignment without any contingencies.

The Director of Clinical Experiences, upon the recommendation of the college supervisor or chairperson of the student's major department, may remove a student from the assignment or require a student to do additional work and continue student teaching until the student is sufficiently competent to be recommended for certification. Certification is not an automatic procedure.

Student teaching assignments begin and end on the dates indicated in the student's official notice of assignment. Ordinarily, the student is expected to follow the school calendar of the school in which student teaching is done insofar as vacations and school holidays are concerned. Changes in dates involved in an assignment must receive the prior permission of the Director of Clinical Experiences.

COLLEGE OF FINE ARTS

Dean: Alvin Goldfarb, 116 Center for the Visual Arts.

The primary function of the College of Fine Arts and its Departments of Art, Music, and Theatre is to provide professional education in the Arts for students desiring professional careers in select areas of the arts and for students preparing to be elementary, secondary, and college teachers. Various areas of concentration in undergraduate and graduate studies, including B.A., B.S., B.F.A., B.M., B.M.E., M.F.A., and M.M. programs, provide comprehensive and flexible curricula for a variety of student talents and interests. Among the individualized programs available are contract majors in such areas as Theatre Management, Arts Technology, and Musical Theatre. The College also provides a cultural environment through the performing and visual arts for the campus, community, and region.

ART (ART)

119 Center for the Visual Arts, (309) 438-5621

Chairperson: Ron Mottram.

Tenured/Tenure-track Faculty:

Distinguished Professors: Anderson, Myers.

Professors: S.F. Amster, Boyd, Butler, Finch, George, Holder, Kilgo, Malone, Mottram, Newby, Stefl, Towner.

Associate Professors: S.H. Amster, Appel, Archer, Blum, French, Jackson, Knoblock, Kukla, Lutes, Rankin, Suhr, Tannura, Tell, Walker.

Assistant Professors: Bushell, Fisher, Hiscox, Jacob, Lee, McKinney, Richards, Iorio, Satkamp.

General Department Information

The Department of Art is accredited in Division I by the National Association of Schools of Art and Design.

HONORS IN ART

Art majors and B.F.A. candidates with superior academic records are invited to apply for admission to the Department of Art Honors Program. Students successfully completing the Honors Program will receive the designation of Honors in Art in their field of study upon graduation. The student's official academic transcript and diploma will be so noted.

Admission Requirements:

- The candidate must:
- Be a declared Art major or admitted to the B.F.A. program with at least 60 and not more than 90 hours of course work completed.
- Have a minimum 3.3 overall GPA;
- Have a minimum 3.5 overall Art Department GPA;
- Submit a letter of recommendation from a faculty member in the student's sequence (General Art, Studio Arts, Graphic Design, Art History, Teacher Education);
- Have demonstrated evidence of leadership by participating in student organizations or entering exhibitions or receiving recognition for written work;

- Submit a letter of application to the Art Department Honors advisor.

Honors Program Requirements:

- Successfully complete a minimum of 3 hours of Art Department honors courses each semester for a total of 12 honors hours prior to graduation (2 specific honors courses; 2 honors independent study—299 courses);
- Initiate and complete a research project or honors portfolio under the direction of a faculty member in the student's sequence;
- Maintain a 3.3 overall GPA;
- Maintain a 3.5 Art Department GPA;
- Receive no grade less than "B" in any Art course while enrolled in the program;
- Fulfill the general requirements for participation in the University Honors Program.
- **NOTE:** Once admitted to the Art Department Honors Program, the honors candidate will be advised by the Art Department honors advisor, who must approve the candidate's course of studies each semester.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) Art Programs

Degrees Offered: B.A., B.S.

MAJOR IN ART

General Art Sequence:

Degrees Offered: B.A., B.S.

The General Art Sequence emphasizes breadth of competence in Art, developing basic knowledge, skills, and understanding in various visual arts disciplines. This sequence serves the needs of students interested in a traditional liberal arts education or a second major.

- 42 hours in Art required, as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 18 hours required sequence courses: ART 257; 6 hours from 224, 228, 232, 240, 255; 6 hours from 213, 226, 235, 245, 246, 261; any 300-level Art History course. **NOTE:** ART 201, 211, 309 do not count toward the major.
- 9 hours Art electives at the 200-level or, with consent of the Department, at the 300-level, 6 hours of which must be in the Studio Arts.

Studio Arts Sequence:

Degrees offered: B.A., B.S.

The Studio Arts Sequence contains required Foundations and other courses common to the Studio Arts disciplines (ceramics, drawing, fibers, glass, intaglio, lithography, metalwork and jewelry design, painting, photography, and sculpture), but also provides a program of intensive study within one of these areas of the visual arts.

This sequence prepares students to work as visual arts professionals or pursue graduate study.

- 54 hours in Art required as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 21 hours required sequence courses: ART 257; the initial course in the student's intended area of concentration (see below); 6 hours in 3-dimensional and 6 hours in 2-dimensional art (as specified according to the concentration requirements below); any 300-level Art History course.
- **NOTE:** ART 201, 211, 309 do not count toward the major.

Initial Course in Area of Concentration and 3-D/2-D Requirements by Concentration (listed in that order):

Ceramics Concentration: ART 228; 232 and 233; 213 and 214.

Drawing Concentration: ART 213; 232 and 3 hours from 224, 228, 240, 255; 245 or 246 and 261.

Fibers Concentration: ART 240; 6 hours from 224, 228, 232, 255; 6 hours from 213, 226, 261.

Glass Concentration: ART 255; 228 and 232; 6 hours from 213, 235, 245 or 246, 261.

Intaglio Concentration: ART 245; 232 and 3 hours from 224, 228, 240, 255; 213 and 261.

Lithography Concentration: ART 246; 232 and 3 hours from 224, 228, 240, 255; 213 and 261.

Metalwork and Jewelry Design Concentration: ART 224; ART 228 and 232; 6 hours from ART 213, 226, 261.

Photography Concentration: ART 235; 6 hours from 224, 228, 232, 234, 240, 255; 6 hours from 213, 226, 245 or 246, 261.

Painting Concentration: ART 261; 232 and 3 hours from 224, 228, 240, 255; 213, and 245 or 246.

Sculpture Concentration: ART 232; 6 hours from 224, 228, 234, 240, 255; 213 and 261.

Admission to a Concentration:

- After the first course in any area of concentration in the Studio Arts Sequence, and after completing the prerequisites for, but before being accepted into the second course in that concentration, the student will undergo screening of supportive materials by the faculty involved with the specific concentration. In addition, in order to continue in the sequence concentration students must have achieved and must maintain a cumulative and major GPA of 2.5.
- 18 hours Concentration courses and Art electives at the 200- or 300-level. Students must take the courses specified below for each concentration, plus appropriate Art electives at the 200- or 300-levels to total 18 hours. Students should consult the Department advisor for selection of appropriate Art electives.

Ceramics Concentration: ART 229 and 328.

Drawing Concentration: ART 214 and 331.

Fibers Concentration: ART 241 and 340.

Glass Concentration: ART 355.

Intaglio Concentration: ART 345.

Lithography Concentration: ART 346.

Metalwork and Jewelry Design Concentration: ART 225 and 324.

Photography Concentration: ART 236, 335, and 383.

Painting Concentration: ART 262, 263, and 361.

Sculpture Concentration: ART 233 and 332.

NOTE: 300-level concentration courses may be repeated.

Graphic Design Sequence:

Degrees offered: B.A. B.S.

The Graphic Design Sequence includes training in the fundamentals of Studio Art and Art History, but also a concentrated program of study that prepares students to enter the competitive field of Graphic Design.

- 54 hours in Art required, as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 39 hours required sequence courses: ART 213, 226, 227, 231, 235, 257, 276, 326, 336, 359; 3 hours from 224, 228, 232, 234, 240, 255; 3 hours from 245, 246, 261; any 300-level Art History course. **NOTE:** ART 201, 211, 309 do not count toward the major.

Admission Requirements:

Students will be allowed to continue in the Graphic Design Sequence who have completed ART 226, have met and continue to maintain a cumulative and major 2.5 GPA, and have demonstrated competency through a portfolio review. The number of students admitted may vary depending on program capacity and qualifications of students in the pool. Consult the Department of Art for further information on admission to the Graphic Design Sequence.

Art History Sequence:

Degrees offered: B.A.

The Art History Sequence provides students a basic grounding in the studio traditions, but also a broad awareness of art history on both introductory and advanced levels. In addition, the sequence includes exposure to related non-art disciplines, training in foreign language, and further experience in advanced research skills, all of which are necessary for effective graduate work.

- 54 hours in Art required, as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 33 hours required sequence courses: ART 140; 257; 3 hours from 224, 228, 232, 240, 255; 3 hours from 213, 226, 235, 245, 246, 261; 395; 18 hours from 300-level Art History courses, including at least 1 course from each of the following 4 broad historical periods:
 - I. Ancient/Medieval: ART 366, 367, 368, 369.
 - II. Renaissance/Baroque: ART 375, 376, 377.
 - III. Modern: ART 372, 378, 379, 383, 385.
 - IV. American: ART 380, 381, 382.
- 6 hours Art electives.
- Recommended University Studies and general electives: ENG 249; HIS 101, 102 (US 2); minimum of 3 semesters (12 hrs) French or German; at least 8 hours of courses in related fields offered by the following areas: History, Music, Literature, Philosophy, Anthropology, Theatre.

Admission Requirements:

Students will be allowed to continue in the Art History Sequence who have completed ART 257 and have met and continue to maintain a cumulative and major GPA of 2.5. ART 201, 211, 309 do not count toward the major.

Teacher Education Sequence:

Degree offered: B.S.

The Teacher Education Sequence program emphasizes Art knowledge, studio techniques, and classroom skills

needed for teaching Art. This program provides for acquisition of knowledge, attitudes and skills necessary for effective performance as an Art teacher or Art supervisor. Students completing this sequence are eligible to apply for K-12 teaching certificate in the State of Illinois.

- 76 hours in Art required (including Professional Education requirements). Part of entitlement program leading to certification: Special K-12. All Art majors planning to become certified teachers must apply for and be admitted to the University Teacher Education program (see Teacher Education Admission-Retention program section of this *Undergraduate Catalog*). A 2.5 cumulative and major GPA is required for admission and retention in this sequence.
- 54 hours in Art required, as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 33 hours required sequence courses: ART 201, 211, 257, 307, 309 (2 consecutive semesters starting in the fall); 6 hours from 224, 228, 232, 240, 255; 6 hours from 213, 226, 235, 245, 246, 261; 1 Art History course from 100-, 200-, or 300-level (other than 155, 156, 257).
- 6 hours Art electives.
- 22 hours Professional Education requirements: C&I 214, 215, 216; PSY 215; EAF 228 or 231 or 235; STT 399.

MINOR IN ART

General Art Sequence:

- 23 hours in Art required, as follows:
- 9 hours required courses: ART 103, 104, 109.
- 6 hours from ART 155, 156, 257.
- 8 hours of electives in ART. **NOTE:** ART 201, 211, and 309 do not count toward the minor.

Teacher Education Sequence:

- 26 hours in Art required, as follows:
- 9 hours required courses: ART 103, 104, 109.
- 3 hours from ART 155, 156, 257.
- 3 hours of ART 309.
- 3 hours of ART 201 or 211.
- 8 hours of Art courses from 228, 232, 234, 261.
- Endorsements earned: Junior High School Endorsement and High School Endorsement in Art.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching

6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Bachelor of Fine Arts (B.F.A.) Art Program

Degree offered: B.F.A.

The B.F.A. Degree program is oriented toward advanced professional study in the studio arts. This program gives students the opportunity to specialize in a particular studio art discipline in preparation for graduate study for the M.F.A. Terminal Degree program.

MAJOR IN ART

- 80 hours in Art required as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 26 hours required courses: ART 232, 235, 257, 261; 6 hours from 224, 228, 240, 255; 6 hours from 213, 245, 246; 349.
- 6 hours: any two 300-level Art History courses.
- 33 additional hours in chosen concentration selected in consultation with the program sponsor. **NOTE:** ART 201, 211, 309 do not count toward the major.

Students may apply to the B.F.A. Degree program during their sophomore year. Requirements for admission and retention are a 3.0 cumulative and major GPA and a portfolio review. Students seeking admission to the B.F.A. program must submit a portfolio of creative work to the Department of Art as part of the admission process. Further information on admission to the B.F.A. program is available from the Department's undergraduate academic advisor. A solo exhibition of student work during the senior year with a written supportive statement is required of all students for graduation from the B.F.A. program. The equivalent of no less than 6 semester hours of directed study will be spent in preparation for the final exhibition.

Art Courses

The Department of Art reserves the right to keep for demonstration and exhibition examples of work done by students for course requirements.

100 INTRODUCTORY ART WORKSHOP

US-6 3 F,S

Not for cr Art maj/min. Materials charge optional.

Creative problem-solving and aesthetic analysis. Art experiences including drawing, painting, printmaking, and sculpturing as well as attending art exhibits.

101 ART ACTIVITIES FOR ELEMENTARY SCHOOLS

2 F,S

Not for cr Art maj/min. Clin Exp 1-5 hrs. May Incl Clin Exp: Types 1-7 and 9. Materials charge optional.

Introduction to 2-dimensional graphic and craft materials and procedures appropriate for elementary art learning experiences; understanding the developmental stages of child art.

103 2-D FUNDAMENTALS 3 F,S
Materials charge optional. Formerly VISUAL ELEMENTS.

An exploration of the basic elements of design as they relate to composition and expression in graphic form.

104 DRAWING FUNDAMENTALS 3 F,S
Materials charge optional. Formerly BASIC DRAWING.

Concepts basic to all studio offerings. Emphasis upon making pictorial space and upon development of drawing skills; practice with traditional materials.

109 3-D FUNDAMENTALS 3 F,S
Materials charge optional. Formerly BASIC MATERIALS.

Use of a variety of materials to explore fundamental 3-dimensional design concepts. Introduction to the use of hand tools and power tools.

**140 INTRODUCTION TO THE
 NATIVE ARTS OF THE
 AMERICAS, AFRICA, AND
 THE SOUTH PACIFIC** US-8 3 S

An introduction to the native art and architecture of North and South America, Sub-Saharan Africa, and Oceania.

150 ART APPRECIATION US-6 3 F,S
Not for cr Art maj/min.

Survey of Western and non-Western art, introduction to art media, gallery visits, and studio demonstrations.

155 SURVEY OF ART I US-6 3 F,S
 Arts from pre-historic times to end of Medieval period, circa 1400.

156 SURVEY OF ART II US-6 3 F,S
 Arts of the early Renaissance, circa 1400, to the end of the Baroque, circa 1775.

183 PUPPETRY 3
Also offered as THE 183.

Introduction to the performance art of puppetry and its educational applications: history, staging, and construction and manipulation of hand, rod, and shadow puppets.

**201 MEDIA AND TECHNIQUES
 FOR ELEMENTARY AND
 JUNIOR HIGH SCHOOLS** 3 F
Art Ed maj only; others by cons dept chair. Clin Exp: 10 hrs. May Incl Clin Exp: Types 1-4, and 9. Materials charge optional.

Media, techniques, and clinical experiences suitable for elementary and junior high schools.

**205 ART FOR THE
 CLASSROOM TEACHER** 2 F,S
El Ed maj only. Jr standing. Overall GPA 2.5. Conc reg MUS 277 and THE 280; conc reg ART/MUS/THE 250 rec. Materials charge optional.

Theoretical, practical and experiential learning for developing awareness, knowledge and skills for future classroom teachers-grades K-9.

207 ART FOR SPECIAL EDUCATION 3 F,S
For Specialized Educational Development students. Clin Exp 10 hrs. May Incl Clin Exp: Types 1-7, and 9. Materials charge optional.

Theory and methods of teaching art and craft activities appropriate to the needs of special education classes.

**211 MEDIA AND TECHNIQUES
 FOR SECONDARY SCHOOLS** 3 F,S
Art Ed maj only; others by cons dept chair. Clin Exp: 10 hrs. May Incl Clin Exp: Types 1-4, and 9. Materials charge optional.

Media and techniques suitable for secondary school level with emphasis on the sequential development of media and techniques in relation to the maturity and growth of the adolescent.

213 LIFE DRAWING 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.

Emphasis on anatomy and formal concerns. Human figure as an expressive motif within the tradition of the nude in art.

214 DRAWING COMPOSITION 3 F,S
ART 213 req or cons dept based on demonstration of proficiency. Materials charge optional.

Further study of the human figure with emphasis upon representational complexity and a more sophisticated understanding of formal considerations.

221 FESTIVAL DESIGN I 2 F
May be repeated once for cr. Cons inst req.

Insights and application of aesthetic qualities, organizational principles, and procedures inherent in designing a festival.

**224 METALWORK AND JEWELRY
 DESIGN I** 3 F,S

ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 Introduction to the tools, techniques, and fabricating process used for creating in metals.

**225 METALWORK AND
 JEWELRY DESIGN II** 3 F,S
ART 224 req. Materials charge optional.

Further exploration of fabrication and casting techniques; emphasis on surface treatment such as repousse, etching, lamination, and inlay.

226 GRAPHIC DESIGN I 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.

Basic graphic design techniques. Includes study of letter forms and design procedures. Practice in rendering skills.

227 GRAPHIC DESIGN II 3 F,S
ART 226 req. Materials charge optional.

Application of design techniques to visual communications media. Emphasis on combining lettering with illustrational elements in preparation for reproduction processes.

228 CERAMICS I 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.

Introduction to the physical characteristics of clay. Basic handbuilding and firing processes explored. Introduction to glaze processes.

229 CERAMICS II 3 F,S
ART 228 req. Materials charge optional.

An expansion of handbuilding methods and the introduction of wheel-throwing techniques. Glazing and firing methods emphasized.

231 TYPOGRAPHY DESIGN 3 F,S
ART 226 req. Materials charge optional.

Study of typography as an element of 2-dimensional design and as a communicative tool.

- 232 SCULPTURE I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 Exploration of sculpture techniques and materials within context of historical developments. Introduction to 3-dimensional spatial concerns.
- 233 SCULPTURE II** 3 F,S
ART 232 req. Materials charge optional.
 Further exploration of sculpture techniques and materials. Advanced 3-dimensional spatial concerns presented within a context of art historical development.
- 234 WOOD DESIGN I** 3 F,S
ART 109 req.
 Studio course exploring wood as a design medium.
- 235 PHOTOGRAPHY I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 Photography as an art form.
- 236 PHOTOGRAPHY II** 3 F,S
ART 235 or cons inst req. Materials charge optional.
 Further study of photography as an art form. Individual exploration of techniques and subjects.
- 240 FIBERS I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 Introduction to weaving as an art form. Emphasis on technical and aesthetic development of fiber concepts using a variety of loom-controlled and non-loom-controlled structures.
- 241 FIBERS II** 3 F,S
ART 240 req. Materials charge optional.
 Builds on the foundation of technical and aesthetic concepts presented in Weaving I. Processes such as spinning, dyeing, and complex loom-controlled structures will be explored.
- 245 INTAGLIO I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 Introduction to intaglio processes. Techniques such as etching, engraving, dry point, and aquatint within context of pictorial spatial understanding.
- 246 LITHOGRAPHY I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 Introduction to lithographic processes. Techniques on stone and aluminum plates with airbrush, crayon, and tusche drawing within context of pictorial spatial understanding.
- 250 ARTS AND THE MODERN WORLD** US-6 3 F,S
Also offered as MUS/THE 250.
 An introductory, interdisciplinary course examining great works of art, music and theatre as they define and transmit cultural traditions and humanistic values in the modern world.
- 252 VIDEO ART I** 3
ART 103 or 235; or THE 150 or 170; or COM 163 or cons inst req. Materials charge optional.
 Video as a creative medium emphasizing experimental, narrative and nonnarrative production; screenings of video art, film and television.

- 253 VIDEO ART II** 3
ART 252 req. Materials charge optional.
 Video as a creative medium emphasizing digital editing and multi-media as well as conceptual and formal strategies for personal expression.
- 255 GLASS I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.
 An introductory course to acquaint student with the hot glass forming processes of glassblowing and casting.
- 257 SURVEY OF ART III** US-6 3 F,S
 The major developments in European painting, sculpture, and architecture from the Romantic period, circa 1775, to the present.
- 261 PAINTING I** 3 F,S
ART 103, 104, and 109 req or cons dept based on demonstration of proficiency.
 Experimental work with variety of transparent and opaque painting media.
- 262 PAINTING II** 3 F,S
ART 261 req.
 Problems of pictorialization and survey of contemporary trends in painting.
- 263 PAINTING III** 3 F,S
ART 262 req.
 Individual exploration of concepts extended from ART 261 and 262.
- 276 INTRODUCTION TO MICROCOMPUTER APPLICATIONS IN THE ARTS** 3 F,S
Also offered as MUS/THE 276. Jr standing; 9 hrs of Art, Music, or Theatre, and cons inst req. Formerly 386. Materials charge optional.
 An introduction to microcomputer systems and their applications as creative tools in art, music, theatre.
- 277 AFRICAN-AMERICAN ART: PRE-SLAVERY TO 1865** 3 F
 Art forms, content, artistic technique, and contributions of pre-slavery artists up to African-American artists of 1865.
- 307 ART FOR ATYPICAL INDIVIDUALS** 3 S
Art maj or cons dept. Clin Exp 10 hrs. May Incl Clin Exp: Types 1-4, 6 and 9.
 Various approaches to the development and conduct of art activities for individuals in special education and other community programs for the atypical individual.
- 309 PROFESSIONAL ART EDUCATION SEQUENCE** 3 F,S
C or better in C&I 216 or conc rcg req. Complete all req for admission to Teacher Ed including passing all 3 parts of the PPST. Art Ed maj only; others by cons dept chair. Must be repeated by Art Ed maj for total of 6 hrs. 2 consecutive sem seq starting in fall. Incl Clin Exp: 20 hrs. May Incl Clin Exp: Types 1-4, 6 and 9.
 Sequential semesters interrelate art learning theory, teaching methodology, and pre-student teaching clinical experiences in Art Education K-12.
- 315 TOPICS IN GRAPHIC DESIGN** 3 F,S
ART 227 req.
 Studio/seminar course covering special topics related to Graphic Design. May be repeated if different topic.

324 METALWORK AND JEWELRY DESIGN III 2-6 F,S

ART 225 req. May be repeated. Materials charge optional.

Advanced metalworking with an emphasis on volume and color, including raising, repousse, forging, and various enameling techniques.

325 ADVANCED METALWORK AND JEWELRY DESIGN 2-4 F,S

ART 324 and cons inst req. May be repeated. Materials charge optional.

Elaboration upon metalworking skills previously acquired, allowing development of a strong personal direction.

326 GRAPHIC DESIGN III 3 F,S

ART 226 and 227 req. Materials charge optional.

Transition course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation for study on independent basis.

328 CERAMICS III 2-6 F,S

ART 229 req. May be repeated. Materials charge optional.

Experiences in wheel and handbuilding processes with an emphasis on individual exploration of ideas through ceramic media.

331 ADVANCED DRAWING 3 F,S

ART 214 req. May be repeated.

Transition course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation for study on independent basis.

332 SCULPTURE III 2-6 F,S

ART 233 req. May be repeated. Materials charge optional.

Transition course. Individualized problems exploring techniques and concepts encountered earlier and their applications to problems of contemporary expression. Preparation for study on an independent basis.

334 TOPICS IN ADVANCED SCULPTURE 3 F

Sculpture I, II, III, or cons inst req. Materials charge optional.

Advanced sculpture course focusing on a different topic each semester. Seminar format with topics relating to assigned studio work.

335 PHOTOGRAPHY III 2-6 F,S

ART 236 req. May be repeated. Formerly PHOTOGRAPHY AS AN ART FORM III. Materials charge optional.

Advanced problems in photography as an art form. Emphasis upon individual exploration of the medium. Preparation for study on an independent basis.

336 GRAPHIC DESIGN IV 3 F,S

ART 326 req. Materials charge optional.

Advanced studio work exploring design techniques applied to advertising, packaging, and display media.

340 FIBERS III 2-6 F,S

ART 241 req. May be repeated. Materials charge optional.

Advanced studio work based on the technical and aesthetic concepts presented in Fibers I & II. Emphasis upon individualized projects designed in consultation with instructor.

344 WOOD II 3 F,S

ART 234 req.

Studio exploration of wood as a medium of personal expression.

345 INTAGLIO II 2-6 F,S

ART 245 req. May be repeated. Materials charge optional.

Further study of intaglio processes with greater emphasis on intaglio as an expressive medium. Introduction to color possibilities.

346 LITHOGRAPHY II 2-6 F,S

ART 246 req. May be repeated. Materials charge optional.

Further study of lithographic processes with greater emphasis on lithography as an expressive medium. Introduction to color possibilities.

349 VISITING ARTIST SEMINAR 2 F,S

Art maj or cons inst req. May be repeated.

A seminar-type class, taught by visiting artists and members of the Art Department faculty, focusing upon contemporary issues of fine arts and the creative process.

351 SPECIAL PROJECTS IN ART 2-6 F,S

Art maj and cons inst req. May be repeated. May Incl Clin Exp: Type 1-4, 6, 8, and 9. Materials charge optional.

Special projects in Art or Art Education chosen by the student for advanced investigation with the written approval of the instructor. May not duplicate existing courses.

352 RENDERING FOR INTERIOR DESIGNERS 3 F,S

IT 211 and FCS 242, or ART 103 and 104, or cons inst req.

Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations.

355 GLASS II 2-6 F,S

ART 255 req. May be repeated. Materials charge optional.

Further practice in glass blowing skills coupled with the introduction of techniques to alter and shape cold glass.

356 COLOR PHOTOGRAPHY 3

ART 236 or 335 and cons inst req. Formerly COLOR PHOTOGRAPHY AS AN ART FORM.

An introduction to basic color photography techniques with an emphasis on color photography as a fine art medium.

358 SOCIAL DOCUMENTARY PHOTOGRAPHY 3 F,S

Cons inst req.

Studio practice in social documentary photography. An examination of the artist's role as social observer and documentarian.

359 COMPUTER-BASED ART AND GRAPHIC DESIGN 3 F,S

ART/MUS/THE 276 or cons inst req. Also offered as THE 359. Materials charge optional.

Application of advanced 2- and 3-dimensional graphics programs to solve creative problems in the visual and theatrical arts.

361 PAINTING IV 2-6 F,S

ART 263 req. May be repeated.

Transitional course. Students encouraged to explore personal directions in close consultation with instructor. Preparation for study on an independent basis.

- 362 WATERCOLOR I** 3 S
ART 261 req.
 Watercolor as an expressive medium. Techniques and study of masters of watercolor; emphasis on creating pictorial space by illusion, color, and the use of transparency.
- 363 COLOR THEORY** 3 F
ART 261 req.
 A practicum to give the studio art student a context of theoretical and historical color premises as a basis for making color organized works. Discussion of student work, process, color-formed space, and aesthetic analysis.
- 366 ART OF THE ANCIENT NEAR EAST** 3
 Art and architecture of early civilizations of Egypt, Mesopotamia, and peripheral areas from circa 8000 B.C. to circa 300 B.C.
- 367 GREEK ART** 3 F
ART 155 or cons inst req.
 Greek art and architecture from circa. 1500 B.C. through the Hellenistic period.
- 368 ROMAN ART AND ARCHITECTURE** 3 S
ART 155 or cons inst req.
 Roman art and architecture in Italy and the provinces from the late Republic through the early 4th century A.D.
- 369 HISTORY OF MEDIEVAL ART AND ARCHITECTURE** 3
 Art and architecture of Europe from circa 500 A.D. to the Renaissance.
- 372 MODERN ARCHITECTURE** 3
 European and American architecture since the Industrial Revolution, later 18th century to the present.
- 375 ITALIAN RENAISSANCE ART** 3
 Painting, sculpture, and architecture of the 15th and 16th centuries in Italy.
- 376 NORTHERN RENAISSANCE ART** 3
 Art and architecture of the Renaissance and Mannerism in Northern Europe.
- 377 HISTORY OF BAROQUE AND ROCOCO ART** 3
 Painting, sculpture, and architecture of Europe during the 17th century.
- 378 HISTORY OF NINETEENTH-CENTURY ART AND ARCHITECTURE** 3
 Concentration is on the art of Europe from the French Revolution to the 20th century.
- 379 MODERN ART** 3
 Painting and sculpture in Europe and America from the late 19th century to 1970.
- 380 ART IN THE UNITED STATES I: COLONIAL ERA TO THE EARLY REPUBLIC** 3
Formerly ART IN THE UNITED STATES I: COLONIAL TO NINETEENTH-CENTURY ROMANTICISM.
 Art and architecture in the part of North America that became the United States from the outset of European colonization through the Early Republic, 1600-1825.

- 381 ART IN THE UNITED STATES II: ROMANTICISM TO EARLY MODERNISM** 3
Formerly ART IN THE UNITED STATES II: AMERICAN IMPRESSIONISM TO WORLD WAR II.
 Art and architecture in the United States from about 1825 to 1930.
- 382 ART IN THE UNITED STATES III: FROM THE DEPRESSION TO 1970** 3
 Complex artistic developments, especially in painting and sculpture, which occurred in American art from the Depression era to 1970.
- 383 HISTORY OF PHOTOGRAPHY** 3
Formerly HISTORY OF PHOTOGRAPHY AS AN ART FORM.
 Important photographers and the major aesthetic and technical developments of photography from 1840 to present.
- 385 RECENT DEVELOPMENTS IN ART: 1970 TO THE PRESENT** 3 S
Art maj only or cons inst. Previous successful completion of ART 257.
 An examination of major international visual artists and the role of public and private institutions within the contemporary arts world.
- 387 SOFTWARE DESIGN IN THE ARTS** 3
Also offered as MUS/THE 387. Materials charge optional.
 Designing and programming microcomputer-based software which solve particular applications problems in the fine arts.
- 388 SELECTED TOPICS IN ARTS TECHNOLOGY** 3
Also offered as MUS/THE 388. May be repeated if content different. Materials charge optional.
 Varied emphases reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts.
- 395 UNDERGRADUATE SEMINAR IN ART HISTORY** 3 S
Successful completion of at least one 300-level Art History course and cons inst req. May be repeated if content different.
 Intensive study of an announced topic in art history, emphasizing methodology, original research, and various art historical approaches to specified works, artists, themes, styles, or issues.
- 398 PROFESSIONAL PRACTICE: INTERNSHIP IN ART** 1-8 F,S
May be repeated; max 16 hrs. Cons dept chair req.
 Supervised work experience.
- 398.02 PROFESSIONAL PRACTICE: INTERNSHIP IN ART: DESIGN**
- 398.05 PROFESSIONAL PRACTICE: INTERNSHIP IN TEACHING ART**
May Incl Clin Exp: Type 1-4, 6, and 9.
- 398.07 PROFESSIONAL PRACTICE: INTERNSHIP IN PHOTOGRAPHY**
- 398.08 PROFESSIONAL PRACTICE: INTERNSHIP IN MUSEUM/GALLERY**

**398.09 PROFESSIONAL PRACTICE:
COOPERATIVE EDUCATION/
INTERNSHIP IN ARTS MICRO-
COMPUTER APPLICATIONS 2-6 F,S**
*ART/MUS/THE 276; 1 course selected from MUS
211, ART/THE 359, or ART/MUS/THE 387. Jr/sr
standing in area of concentration; 2.5 GPA.*

Cooperative education/internship providing the opportunity to apply knowledge of microcomputer arts applications in arts agencies, business, and/or education settings.

MUSIC (MUS)

230 Centennial East, (309) 438-7631

Chairperson: Arved Larsen.

Tenured/Tenure-track Faculty:

Professors: Block, Boitos, Borg, Chavez, Corra, Dawson, DeBose, Larsen, Lewis, Modos, Nicholas, Poultney, Schuetz, Steele, Suggs, Williams.

Associate Professors: Dicker, DiGiammarino, Kelly, Koehler, Pomfret, Stokes.

Assistant Professors: Anderson, Gilreath, Koehler, Parsons, Randles, Snyder, Taylor.

General Department Information

Curricular Requirements/Departmental Requirements:

Music students are bound by the requirements in this *Undergraduate Catalog* and those found in the *Music Department Student Handbook*.

Admission Auditions:

Students who intend to major in Music at Illinois State University are expected to have previous music experiences. Prior to acceptance as a Music major or minor, all students must pass a performance audition on their major instrument or voice. Information concerning admission auditions is available from the Department of Music.

Senior College Examination:

All Music majors must pass the Senior College Examination which evaluates the student's mastery of musicianship and performance skills. The examination is administered every semester and is to be taken by all Music majors taking sophomore-level music core courses (204/208). Students who transfer from community colleges with an associate's degree must take the examination in their first semester of attendance at Illinois State University. All B.M.E. students and candidates for Teacher Certification are required to pass the Senior College Examination prior to admission to Teacher Education.

Piano Requirements:

All students pursuing a Music major degree program are required to demonstrate a level of piano proficiency equivalent to that outlined for Level III of Group Instruction Piano unless stated otherwise for a specific degree or sequence. A syllabus of proficiency requirements is available in the Music Office or from the Group Piano Coordinator.

Performing Organization Requirements:

All students pursuing a Music major degree program are required to participate and earn a passing grade in a major music-performing organization each semester they are enrolled in the University. (B.M.E. majors are exempt from this requirement during the semester of Student Teaching; Music Therapy majors are exempt from this requirement during the semester of their internship.) Specific performing organization participation requirements are indicated below for each of the Music major degree programs. A major opera role may be substituted for one performing organization by juniors and seniors upon approval of the Department Chairperson as a result of a written request signed by the student, the applied teacher, and the opera director. A maximum of 12 hours in Music performing organization credit is applicable to any Music degree. Students must be enrolled in MUS 110 each semester on campus up to the total number of semester required for the particular degree program.

Enrollment Limitations:

Enrollment in some Music courses is limited to those students who have had auditions or who have secured the permission of the appropriate coordinator. Information concerning these course enrollment limitations is available from the Department of Music.

Musical Instrument Storage:

In the event that students choose to store musical instruments on campus in any building operated by the University, they hereby waive any and all liability of the University and its employees for the loss of or damage to such musical instruments by any cause whatsoever, including, but not limited to, fire, water, windstorm, or any other casualty, theft, or dampness or dryness of the air.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) Music Programs

Degrees Offered: B.A., B.S.

MAJOR IN MUSIC

- 40 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 203, 204, 207, 208, 253, 254; at least 4 semesters of Applied Music (may include Group Instruction Voice or Piano); 8 semesters of MUS 110 (transfer students must enroll in MUS 110 each semester on campus up to a total of 8 semesters); 8 hours of performing organizations.

MINOR IN MUSIC

- 24 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 203, 207; at least 4 semesters of Applied Music (may include Group Instruction Voice or Piano); 4 semesters of MUS 110 (transfer students must enroll in MUS 110 each semester on campus up to a total of 4 semesters); 4 hours of performing organizations.

Bachelor of Music

Education (B.M.E.) Programs

Degree Offered: B.M.E.

MAJOR IN MUSIC EDUCATION

Core Requirements and Sequences:

- Complete core requirements of MUS 101, 102, 107, 108, 167, 203, 204, 207, 208, 253, 254, and choose from 1 of the following sequences: Choral-General-Vocal, Choral-General-Key-board, Instrumental-Band, Instrumental-Orchestra.
- The four sequences are part of the entitlement program leading to the Special Teaching K-12 Music Certificate in the State of Illinois.
- Complete 14 hours of Applied Music and 7 hours of performing organizations.
- Designated special methods courses in each of the 4 sequences (Choral-General-Vocal, Choral-General-Key-board, Instrumental-Band, Instrumental-Orchestra) require Clinical Experiences and are taken throughout the degree program.

Piano and Applied Music Requirements:

- Students are required to attain sufficient skill in playing the piano to pass a proficiency test prior to admission to Music Education. **NOTE:** A syllabus of proficiency requirements is available in the Department office or from the Music Education or Group Piano Coordinator. Piano may be studied in Group Instruction 122 or in Applied Piano 135/235. A maximum of 8 hours is allowed for taking piano in Group Instruction.
- Students are required to study applied music on their major instrument for 5 to 7 semesters, depending on the sequence.
- Students are required to take at least 1 semester of 200-level Applied Music prior to student teaching.
- Students are required to perform either a half or full senior recital prior to student teaching.

Professional Education Requirements:

- C&I 210 and 215 must be taken prior to the special methods in Music courses and include Clinical Experience; EAF 228, 231, or 235 must be taken prior to student teaching.
- Special Methods courses include: MUS 162, 260, 261, 262, 263, 266, 267, 270, 271. **NOTE:** All Special Methods courses include clinical experience. Except for MUS 162, all Special Methods courses require admission to Teacher Education.
- Grade of "C" or higher required.

Core Music Education Requirements:

- All Music Education students are required to take the following courses: MUS 260, 262, 266 and 1 hour in jazz selected from MUS 139.70/239.70, 139.71/239.71, 218.

Choral-General-Vocal Sequence:

- 64 hours in Music required.
- Required courses: Music and Music Education core requirements and a minimum of 2 semesters of Group or

Applied Piano and 5 semesters of Applied Voice; MUS 127 or 128; 162, 263, 267, 268.

- Students must be enrolled for 1 hour of credit in University Choir, University Glee Club, Treble Choir, Concert Choir, Vocal Jazz Ensemble, Opera Practicum, or Madrigal Singers for 7 semesters.
- Students must enroll in University Choir or Concert Choir for a minimum of 4 semesters and Opera Practicum for 1 semester.
- A maximum of 1 semester of Vocal Jazz Ensemble may count toward graduation.

Choral-General-Key-board Sequence:

- 64 hours in Music required.
- Required courses: Music and Music Education core requirements and a minimum of 2 semesters of Group or Applied Voice and 5 semesters of Applied Piano; MUS 240 (2 hrs); 162, 263, 267, 268.
- Students must be enrolled for 1 hour credit in University Choir, University Glee Club, Treble Choir, Concert Choir, Vocal Jazz Ensemble, Opera Practicum, or Madrigal Singers for 7 semesters.
- Students must enroll in University Choir or Concert Choir for a minimum of 4 semesters and Opera Practicum for 1 semester.
- A maximum of 1 semester of Vocal Jazz Ensemble may count toward graduation.

Instrumental-Band Sequence:

- 68 hours in Music required.
- Required courses: Music and Music Education core requirements and MUS 111, 112, 113, 114, 115, 116, 117, 161, 163, 261, 269.
- Students must be enrolled for 1 hour credit in Wind Symphony, Symphonic Band, Jazz Ensemble, Marching Band, or Orchestra for 7 semesters.
- Students must enroll in a minimum of 2 semesters of Marching Band and 2 semesters of a concert band (Wind Symphony or Symphonic Band).

Instrumental-Orchestra Sequence:

- 68 hours in Music required.
- Required courses: Music and Music Education core requirements and MUS 111, 112, 113, 114, 115, 116, 117, 163, 269, 270, 271.
- Students must be enrolled for 1 hour credit in Symphony Orchestra for 7 semesters.

Student Teaching:

At least 10 weeks (8 hrs) (STT 399.28) of student teaching are required; 16 weeks (16 hrs) (STT 399.28) are recommended.

Admission-Retention Requirements for the Teacher Education Sequence in Music Education

Selective Admission:

All Music Education students planning to become certified teachers must apply for and be admitted to the University's Teacher Education program (see Teacher Education Admission-Retention program section of this *Undergraduate*

Catalog). Upon applying for admission, a Music Education student must also have verified the following:

1. File departmental application for admission to Music Education.
2. A minimum cumulative GPA of 2.5 overall and in all Music courses including all Professional Education courses.
3. Satisfactory completion of Piano Proficiency Exam or completion of Level 4-Group Piano with grade of "B" or better (the entire final exam for Level 4 must be passed successfully).
4. Recommendation for admission to Teacher Education by the Music Education faculty.
5. Satisfactory passing of the Senior College Exam.
6. Upon enrollment within the Music Education program, the student will be evaluated every semester in writing by each respective Music faculty member. This information will be maintained in the student's permanent file. Each student will also be evaluated by the respective faculty in the College of Education. Details about these evaluations can be obtained from the Coordinator of Music Education. The evaluations will be solicited up to the semester of student teaching.

Selective Retention:

In order to be retained in the Music Education program and to receive departmental approval for a student teaching assignment, the following requirements must be met:

1. Maintain a GPA of 2.5 in all courses and in all Music Education courses including Professional Education.
2. Be recommended for student teaching by the Music Education faculty.
3. Interview with the Coordinator of Student Teaching and/or Music Education faculty.
4. Complete at least 1 semester of Applied Music at the 200-level.
5. Acquire a minimum grade of "C" in all Music Education courses including Professional Education courses.
6. File College of Education and departmental applications for student teaching.

Graduation Requirements:

A cumulative and major GPA of 2.5 must be maintained.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group

5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

MINOR IN MUSIC EDUCATION

The Minor in Music Education can be elected only by B.M.E. majors or by majors in another program leading to Teacher Certification.

Choral Music Sequence:

- 24 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 167, 203, 207, 266 or 267.
- At least 2 semesters of Applied Music: Voice (may include Group Instruction Voice 126).
- At least 2 semesters of Applied Music: Piano (may include Group Instruction Piano 122).

General Music Sequence:

- 24 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 167, 203, 207, 262 or 263.
- At least 2 semesters of Applied Music: Voice (may include Group Instruction Voice 126)
- At least 2 semesters of Applied Music: Piano (may include Group Instruction Piano 122).

Instrumental Music-Winds Sequence:

- 24 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 167, 203, 207, 260 or 261.
- 4 hours chosen from 111, 112, 115, 116, 117 (eliminate the group closest to the major applied instrument).
- At least 2 semesters of Applied Music: Brass, Percussion, or Woodwinds.

Instrumental Music-Strings Sequence:

- 24 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 111 or 112, 113 or 114, 115 or 116, 117, 167, 203, 207, 270 or 271.
- At least 2 semesters of Applied Music: Strings.

Bachelor of Music (B.M.) Program

Degree Offered: B.M.

Admission into the B.M. program is by special audition.

MAJOR IN MUSIC

- 68 hours of Music required.
- Required courses for all sequences except Music Therapy (for requirements, see Music Therapy Sequence): MUS 101, 102, 107, 108, 167, 203, 204, 207, 208, 253, 254, and 2 courses selected from among MUS 255, 256, 257, and 258; 1 Applied Music course on the major instrument each semester (may include Group Instruction Piano), including the successful completion of at least 1 semester of 200-level Applied Music; 8 semesters of MUS 110 (transfer students must enroll in MUS 110 each semester on campus up to a total of 8 semesters). In addition, students must be enrolled for 1 hour of credit each semester

they are in residence in Wind Symphony, Symphonic Band, Marching Band, Jazz Band, Symphony Orchestra, University Choir, University Glee Club, Treble Choir, Civic Chorale, Concert Choir, Encore (Jazz Choir), Madrigal Singers, Accompanying (for keyboard majors only) or Guitar Ensemble (for guitar majors only).

- Student also selects 1 of the 6 following sequences and completes requirements of that sequence. For students who select the Keyboard-Instrument, Voice-Performance, Classical Guitar Performance, or the Band and Orchestra Instruments Sequence, the requirements are: 3 semesters of 200-level Applied Music, a partial junior recital, and a senior recital.

Music Theory-Composition Sequence:

- 12 additional hours in theory, composition, and theory pedagogy.
- Electives to complete 68 hours.
- At least 8 hours of German strongly recommended.

Keyboard Instrument Sequence: Performance/Pedagogy (Piano, Organ, Harpsichord):

- 4 hours of Keyboard Pedagogy and Literature (MUS 330).
- 2 hours of functional keyboard skills and sight-reading (MUS 122).
- 4 hours of Accompanying (MUS 240). **NOTE:** This may be 4 of the 8 hours in Music performing organizations required of B.M. majors.
- Electives to complete 68 hours.

Voice Performance Sequence:

- MUS 127, 128, and 2 hours in Vocal Pedagogy and Literature (MUS 330).
- Voice students enrolled in Encore must also participate in another choral ensemble.
- 2 semesters of Opera Practicum and/or Opera Production.
- Electives to complete 68 hours.

Band and Orchestra Instruments Performance Sequence:

- 2 hours in Pedagogy and Literature on appropriate instrument (MUS 330).
- Electives to complete 68 hours.

Classical Guitar Performance Sequence:

- 4 hours of Pedagogy and Literature (MUS 330).
- 2 hours of Guitar Fingerboard Harmony (MUS 215).
- 6 hours of Guitar Ensemble (MUS 139.85/239.85).
- 4 hours of Music performing organizations other than Guitar Ensemble.
- Electives to complete 68 hours.

Music Therapy Sequence:

A student who completes the requirements listed below, including a 6-month internship sanctioned by the National Association for Music Therapy, Inc., may be certified as a Registered Music Therapist. The prospective Music Therapy student is encouraged to contact the Director of the Music Therapy program in the Music Department before beginning coursework.

- Core requirements (33 hrs): MUS 101, 102, 107, 108, 167, 203, 204, 207, 208, 253, 254.
- Major Music-Performance Ensemble each semester of attendance.

- 9 hours selected from the following: 111, 113, 115, 117, 122, 126.
- 8 hours of Applied Music Study.
- Sequence requirements: MUS 194, 294, 298.01 (3 hrs), 340, 341, 360, 362, 398 (2 hrs); PSY 346.
- University Studies requirements: BSC 181; PSY 111, 232; SOA 106 or 180.
- 7 semesters of MUS 110 (transfer students must enroll in MUS 110 each semester on campus up to a total of 7 semesters).
- **NOTE:** A competency test is required in guitar and piano.

Music Courses

100 INTRODUCTION TO MUSIC

THEORY

US-6 3 F,S

Pitch and rhythmic notation, major-minor key system, sight reading of simple pitch and rhythmic patterns, diatonic melodies.

101 MUSIC THEORY

2 F

Music maj/min only or cons dept chair req.

Principles of rhythmic, melodic, and harmonic syntax in the common practice period. Emphasis on diatonic analysis and composition.

102 MUSIC THEORY

2 S

MUS 101 or cons Theory Coord req.

Continuation of common practice syntax; emphasis on formal analysis and composition of common practice idioms.

107 GROUP INSTRUCTION IN BASIC MUSICIANSHIP I

1 F,S

Music maj/min only or cons inst req.

Introduction and cultivation of fundamental aural (ear-training) and sight-singing (solfege) skills.

108 GROUP INSTRUCTION IN BASIC MUSICIANSHIP II

1 F,S

MUS 107 or cons Theory Coord req.

Continuation of skill building in ear-training and sight-singing; expansion of solfege techniques.

110 RECITAL ATTENDANCE

CR/NC F,S

Music maj/min only. May be repeated.

Develop an understanding of musical styles and skills as a more discriminating listener.

111 GROUP INSTRUCTION IN HIGH BRASS

1 F,S

Incl Clin Exp: 5 hrs Exp Type 1-5, 9. Formerly GROUP INSTRUCTION IN BRASS.

Introduction to the playing and pedagogy of high brass instruments (trumpet and horn).

112 GROUP INSTRUCTION IN LOW BRASS

1 F,S

Incl Clin Exp: 5 hrs Exp Type 1-5, 9.

Introduction to the playing and pedagogy of low brass instruments (trombone, euphonium, and tuba).

113 GROUP INSTRUCTION IN HIGH STRINGS

1 F,S

Incl Clin Exp: 5 hrs Type 1-5, 9. Formerly GROUP INSTRUCTION IN STRINGS.

Introduction to the playing and pedagogy of high string instruments (violin and viola).

- 114 GROUP INSTRUCTION
IN LOW STRINGS** 1 F,S
Incl Clin Exp: 5 hrs Type 1-5, 9.

Introduction to the playing and pedagogy of low string instruments (cello and string bass).

- 115 GROUP INSTRUCTION
IN SINGLE REED
INSTRUMENTS/FLUTE** 1 F,S
*Incl Clin Exp: 5 hrs Type 1-5, 9. Formerly GROUP
INSTRUCTION IN WOODWINDS.*

Introduction to the playing and pedagogy of single reed instruments (clarinet and saxophone) and flute.

- 116 GROUP INSTRUCTION
IN DOUBLE REED
INSTRUMENTS** 1 F,S
Incl Clin Exp: 5 hrs Type 1-5, 9.

Introduction to the playing and pedagogy of double reed instruments (bassoon and oboe).

- 117 GROUP INSTRUCTION
IN PERCUSSION** 1 F,S
Incl Clin Exp: 5 hrs Type 1-5, 9.

Practical instruction in playing and methods of teaching percussion instruments.

- 118 BEGINNING GUITAR** 2
Student must supply acoustic guitar.

Elements of basic acoustic guitar; simple chords and melodies.

- 119 INTERMEDIATE GUITAR** 2 S
MUS 118 or cons inst req. Student must supply acoustic guitar.

Further development of guitar playing skills, including note reading in higher positions, movable chords, fingerpicking, and an introduction to improvisation.

- 121 GROUP INSTRUCTION IN PIANO** 2 F,S
For students who have had little or no formal piano study and who are not Music maj/min. Enrollment and placement only by cons Group Piano Coord. May be repeated.

Harmonization, sight-reading and transposition, technical studies, and solo and ensemble repertoire.

- 122 GROUP INSTRUCTION IN PIANO** 2 F,S
Music maj/min with little or no keyboard skills. Enrollment and placement by cons Group Piano Coord. A syllabus of piano proficiency requirements is available from the Music Office and the Group Piano Coord. May be repeated; max 8 hrs.

- 126 GROUP INSTRUCTION IN VOICE** 2 F,S
May be repeated. Cons inst req.

Practical instruction in singing in English and Italian. Successful completion of 126 or audition before members of voice faculty is prerequisite for admission to MUS 137.

- 127 FOREIGN LANGUAGE
DICTION FOR SINGERS** 2 S
MUS 126 or conc reg in MUS 126, 137, or 237.

German and French diction through the study of art songs in both languages.

- 128 DICTION FOR SINGERS:
ITALIAN AND ENGLISH** 2 F
Italian and English stage diction for singers, using the International Phonetic Alphabet.

- 131-138 APPLIED MUSIC** 2 or 3 ea F,S
May be repeated. Cons appropriate coord 1 sem in advance of reg req. Prereq for MUS 137 described in narrative for MUS 126.

131, Brass; 132, Harpsichord; 132.10 Harp; 133, Organ; 134, Percussion; 135, Piano; 136, Strings; 136.80, Guitar; 137, Voice; 138, Woodwinds.

- 139 ENSEMBLE** 1-2 F,S
May be repeated.

Study and performance of chamber and small music ensembles in a variety of combinations of instruments.

- 151 PLEASURES OF MUSIC** US-6 3 F,S
Music representative of various periods and styles.

- 153 BLACK MUSIC I** US-6 3 F
A survey of those musical elements—rhythm, improvisation, vocal inflections, call and response—that define Black Folk Music.

- 154 BLACK MUSIC II** 3 S
A survey of Black composers, arrangers, performers, and educators in the areas of Jazz, Blues, Gospel, Spirituals, Rhythm and Blues, and Western Classical music in the 20th century.

- 156 MUSIC IN WORLD
CULTURES** US-8 3 F,S
Music as it relates to other human activity in selected non-Western cultures.

- 160 MUSIC AS A CONSTRUCT
FOR LEARNING** 1 F
Music reading skills or cons inst req. Incl Clin Exp.

Tools of learning, supporting resources, writing and study styles, observation techniques, relationship of music to other disciplines, task analysis, problem-solving.

- 161 MARCHING BAND TECHNIQUES** 2 F
Conc reg with participation in Marching Band.
Marching Band organization: field show planning and design.

- 162 INTRODUCTION TO INSTRUMENTAL
INSTRUCTION** 2 F
*Incl Clin Exp: 10 hrs, Type 1-5, 9. Formerly INTRO-
DUCTION TO WIND AND PERCUSSION INSTRUC-
TION.*

Introduction to the playing and pedagogy of brass, woodwind, string, and percussion instruments for choral-general music education students.

- 163 INTRODUCTION TO SINGING** 1 F,S
Music maj standing or cons inst req. May be repeated.
Introduction to the technique and teaching of singing. Designed primarily for instrumental music education majors.

- 165 OPERA PRACTICUM** 1 F,S
May be repeated.

Practical experience in the staging of an opera or musical, with work ranging from set construction to leading roles.

- 167 BASIC CONDUCTING** 2 F,S
Fundamentals, score reading, rehearsal procedures, and practical experience in work with choral and instrumental media.

- 172 JAZZ APPRECIATION** 3 F
Various idioms and styles of Jazz from 1890 to the present, with an emphasis on listening.

175 INTRODUCTION TO THE MUSIC INDUSTRY

3 F,S

Exploring the various facets of the music and entertainment industry, including an historical background.

180-188 PERFORMING ORGANIZATIONS 1 F,S

Max 12 hrs of 180-188 and 280-288 may be counted toward a Music degree.

Participation in the large musical organizations; 180, University Choir; 181, Wind Symphony, Symphonic, University, Pep or Marching Band; 182, Symphony Orchestra; 183, Chamber Wind Ensemble; 184, Concert Choir; 185, University Glee Club; 186, Treble Choir; 188, Civic Chorale.

194 PRINCIPLES OF MUSIC THERAPY 3 F,S

Not for cr if had former MUS 190, 191, and 192. Field observations req.

Introduction to music as a therapeutic agent in the rehabilitation and reorganization of the human being into social life. A survey of the history of the National Association for Music Therapy is included as well as the processes and principles of music therapy as used by practicing music therapists.

203 MUSIC THEORY AND LITERATURE 5 F

MUS 102 and 108 or cons Theory Coord req. (Not for cr if had MUS 203 for 6 hrs.)

Study of contrapuntal and homophonic textures through analysis and composition in conjunction with a survey of music composed between 1700 and 1900.

204 MUSIC THEORY AND LITERATURE 5 S

MUS 203 and 207 or cons Theory Coord req. (Not for cr if had MUS 204 for 6 hrs.)

20th century techniques of composition and analysis in conjunction with a survey of current world musics.

205 COMPOSITION 2 F,S

May be repeated.

Developing individual creative talents of students in musical composition. Progression from the composing of well-balanced musical phrases to works in small forms for piano, choral groups, and small instrumental ensembles.

207 GROUP INSTRUCTION IN BASIC MUSICIANSHIP III 1 F,S

MUS 108 or cons Theory Coord req. (Not for cr if had MUS 203 for 6 hrs.)

Continuation of MUS 108 with introduction of chromaticism, more complex rhythms, and harmonic dictation using 7th chords.

208 GROUP INSTRUCTION IN BASIC MUSICIANSHIP IV 1 F,S

MUS 207 or cons Theory Coord req. (Not for cr if had MUS 204 for 6 hrs.)

Continuation of MUS 207 with emphasis on pitch structures and rhythms of 20th century music.

215 GUITAR FINGERBOARD HARMONY 2

3 sem of Applied Guitar (MUS 136.80/236.80) or cons inst req.

A comprehensive exploration of the guitar fingerboard through the study of scales, arpeggios, intervals, chords, and sight reading.

218 JAZZ IMPROVISATION 1-2 F,S

C or better in MUS 203 and 204. Music maj/min only.

Current methods and materials for developing jazz and jazz-based improvisational abilities in performers and teachers.

231-238 APPLIED MUSIC

2 or 3 ea F,S

May be repeated. Cons of appropriate coord 1 sem in advance of reg req.

231, advanced brass; 232, advanced harpsichord, 234, advanced percussion; 235, advanced piano; 236, advanced strings; 236.80 advanced guitar; 237, advanced voice; 238, advanced woodwinds.

239 ENSEMBLE

1-2 F,S

May be repeated.

Study and performance of chamber and small music ensembles in a variety of combinations of instruments.

240 ACCOMPANYING

1 F,S

May be repeated.

Technique and skills of accompanying singers and instrumentalists, including experience in providing accompaniments for other students.

250 ARTS AND THE MODERN WORLD

US-6 3 F,S

Also offered as ART/THE 250.

An introductory, interdisciplinary course examining great works of art, music, and theatre as they define and transmit cultural traditions and humanistic values in the modern Western world.

253 MUSIC HISTORY UNTIL 1750 3 F

MUS 204 or cons Theory Coord req.

Developments, trends, styles, genres, and significant composers in Western music history from the Greeks to the time of Bach and Handel.

254 MUSIC HISTORY SINCE 1750 3 S

MUS 204 or cons Theory Coord req.

Developments, trends, styles, genres, and significant composers from the Classical period through the 20th century.

255 MUSIC HISTORY AND LITERATURE OF THE TWENTIETH CENTURY 3 F

MUS 254 or cons inst req.

Survey of 20th century styles, popular to learned, conventional to avant-garde, with emphasis on the literature of music.

256 MUSIC HISTORY AND LITERATURE OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES 3 S

MUS 253 or cons inst req.

Development of music during the 17th and 18th centuries including nationalities, schools, styles, and forms.

257 MUSIC HISTORY AND LITERATURE OF THE NINETEENTH CENTURY 3 F

MUS 254 or cons inst req.

Musical developments in the 19th century; romanticism, impressionism, the orchestra, opera, art song, other large and small forms.

258 MUSIC HISTORY AND LITERATURE OF THE RENAISSANCE 3 S

MUS 253 or cons inst req.

Artistic and social conditions of the 15th and 16th centuries in Europe, sacred and secular vocal music, instruments, forms, theoretical practices.

**260 ELEMENTARY/JUNIOR
HIGH TEACHING****METHODS: BAND** 2 S

C or better in C&I 210 and 215 req. Music Ed maj/min only. Incl Clin Exp: 15 hrs, Type 1-5, 9. Adm to Teacher Ed req. Formerly DESIGNS IN INSTRUCTION: INSTRUMENTAL.

Current methods and materials for the teaching of grades 4-8 instrumental music.

261 SECONDARY TEACHING**METHODS: BAND** 2 F

C or better in C&I 210 and 215 req. Music Ed maj/min only. Incl Clin Exp: 15 hrs, Type 1-5, 9. Adm to Teacher Ed req. Formerly METHODS OF TEACHING: INSTRUMENTAL.

Current methods and materials for the teaching of 9-12 instrumental music.

262 ELEMENTARY**TEACHING METHODS:****GENERAL MUSIC** 2 F

C or better in C&I 210 and 215 req. Music Ed maj/min only. Incl Clin Exp: 15 hrs, Type 1-5, 9. Adm to Teacher Ed req. Formerly MUSIC EDUCATION.

Current methods and materials for the teaching of K-6 general music.

263 JUNIOR HIGH/SECONDARY**TEACHING METHODS:****GENERAL MUSIC** 2 S

C or better in C&I 210 and 215 req. Music Ed maj/min only. Incl Clin Exp: 15 hrs, Type 1-5, 9. Adm to Teacher Ed req.

Current methods and materials for the teaching of junior high and secondary school (7-12) general music courses.

265 OPERA PRACTICUM

1 F,S

May be repeated.

Practical experience in the staging of an opera or musical, with work ranging from set construction to leading roles.

**266 ELEMENTARY/JUNIOR
HIGH TEACHING****METHODS: CHORAL** 2 F

C or better in C&I 210 and 215 req. Music Ed maj/min only. Incl Clin Exp: 15 hrs, Type 1-5, 9. Adm to Teacher Ed req.

Study of management, methods, and materials utilized in the teaching of grades 4-8 vocal music.

267 SECONDARY TEACHING**METHODS: CHORAL** 2 S

C or better in C&I 210 and 215 req. Music Ed maj/min only. Incl Clin Exp: 15 hrs, Type 1-5, 9. Adm to Teacher Ed req. Formerly 264, MUSIC EDUCATION.

Study of management, methods, and materials utilized in the teaching of grades 9-12 vocal music.

268 INTERMEDIATE CONDUCTING:**CHORAL** 2 S

MUS 167 or cons inst req.

Further development of conducting skills; principles of musical production, rehearsal procedures, and problems of conducting music from all historical periods.

**269 INTERMEDIATE CONDUCTING:
INSTRUMENTAL**

2 S

MUS 167 or cons inst req.

Further development of conducting skills; principles of musical production, rehearsal procedures, and problems of conducting music from all historical periods.

**270 ELEMENTARY/JUNIOR
HIGH TEACHING****METHODS: STRINGS** 2 F

C or better in C&I 210 and 215 req. Mus Ed maj/min only. Incl Clin Exp: 10 hrs, Type 1-5, 9. Adm to Teacher Ed req.

Current methods and materials for the teaching of elementary/junior high school instrumental strings.

271 SECONDARY TEACHING**METHODS: STRINGS** 2 S

C or better in C&I 210 and 215 req. Mus Ed maj/min only. Incl Clin Exp: 10 hrs, Type 1-5, 9. Adm to Teacher Ed req.

Current methods and materials for the teaching of secondary school instrumental strings.

**276 INTRODUCTION TO MICROCOMPUTER
APPLICATIONS IN THE ARTS**

3 F,S

Also offered as ART/THE 276. Jr standing; 9 hrs of Art, Music, or Theatre; and cons inst req. Formerly 386. Materials charge optional.

An introduction to microcomputer systems and their applications as creative tools in Art, Music, and Theatre.

**277 MUSIC EDUCATION IN THE
ELEMENTARY GRADES**

2 F,S

El Ed maj only.

Survey of Music Education K-8; current practices and materials for teaching elementary general music.

280-288 PERFORMING ORGANIZATIONS

1 F,S

Max 12 hrs of 180-188 and 280-288 may be counted toward a Music degree.

Participation in the large musical organizations: 280, University Choir; 281, Wind Symphony, Symphonic, University, Pep or Marching Band; 282, Symphony Orchestra; 283, Chamber Wind Ensemble; 284, Concert Choir; 285, University Glee Club; 286, Treble Choir; 288, Civic Chorale.

294 MUSIC AND RECREATION

3 F,S

MUS 194 or cons inst, ability to read music, and field experiences req.

Techniques and skills essential in the prescription, organization, and procedures of leading recreational music activities within therapeutic settings. Development of functional skills on social instruments.

298.01 PROFESSIONAL PRACTICE:**MUSIC THERAPY INTERNSHIP** 1 F,S

May be repeated; max 4 hrs. CR/NC only. Formerly MUS 292.

Supervised practical experience in therapeutic music situations in various institutions in the area.

305 COMPOSITION

3 F,S

May be repeated.

Free composition in larger forms.

307 SURVEY OF MUSIC THEORY

2 F

Review of analytical techniques and procedures. Emphasis on tonal music.

- 330 PEDAGOGY AND LITERATURE** 2 F,S
May be repeated. More than 1 area may be taken conc.

Methods of teaching, class and individual instruction; emphasis on technique and a comparison of various teaching procedures. Survey of important literature and composers for each medium. Brass, woodwind, percussion, voice, strings, piano, organ, guitar.

- 340 INFLUENCE OF MUSIC ON BEHAVIOR** 3 F,S
Sr standing or cons inst req.

Cultural, physiological, and psychological aspects of music with applications to the Music Therapy field.

- 341 MUSIC IN THERAPY** 3 F,S
MUS 340 or cons inst req.

Theory, current practices, and research in the field of Music Therapy.

- 360 INTRODUCTION TO PSYCHOMUSICOLOGY** 3 S

Introduction to the psychology of music behavior and cognition. Topics include music perception, memory, and learning and their relation to the sensory, formal, and expressive properties of music.

- 362 FIELD DATA COLLECTION IN MUSIC THERAPY** 1 F,S
Sr standing or MUS 360 or cons inst req.

Field experience in experimental research and behavioral data collection and evaluation as applied to the field of Music Therapy.

- 365 OPERA PRACTICUM** 1 F,S
May be repeated.

Practical experience in the staging of an opera or musical, with work ranging from set construction to leading roles.

- 371 MUSIC FOR THE EXCEPTIONAL CHILD** 3 F,S

Trends in Music Education for exceptional children. Techniques and materials for a functional program of singing, playing, listening, and creative activities.

- 384 OPERA PRODUCTION** 3 F
Cons Music Theatre Director req. May be repeated.

Problems of presenting specific representative works from Music Theatre repertoire.

- 387 SOFTWARE DESIGN IN THE ARTS** 3 F

Also offered as ART/THE 387. Materials charge optional.

Designing and programming microcomputer-based software which solve particular applications problems in the fine arts.

- 388 SELECTED TOPICS IN ARTS TECHNOLOGY** 3 S

Also offered as ART/THE 388. May be repeated if content different. Materials charge optional.

Varied emphases reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts.

- 391 MUSICAL STYLES OF THE RENAISSANCE PERIOD** 3
MUS 253 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

- 392 MUSICAL STYLES OF THE BAROQUE PERIOD** 3
MUS 253 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

- 394 MUSICAL STYLES OF THE CLASSICAL PERIOD** 3
MUS 254 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

- 395 MUSICAL STYLES OF THE ROMANTIC PERIOD** 3
MUS 254 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

- 396 MUSICAL STYLES OF THE TWENTIETH CENTURY** 3
MUS 254 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

- 398 PROFESSIONAL PRACTICE: CLINICAL INTERNSHIP IN MUSIC THERAPY** 1 F,S,Summer
Acceptance into a clinical training facility affiliated with the National Association for Music Therapy req. May be repeated; max 2 hrs.

Professional application of current treatment and evaluation procedures in a clinical setting.

THEATRE (THE)

212 Centennial West, (309) 438-8783

Acting Chairperson: Sandra Zielinski.

Tenured/Tenure-track Faculty:

Professors: Goldfarb, Hampton, Kirk, Ritch, Ruyle, Urice, Wilhelm, Zielinski.

Associate Professors: Browder, MacLean, McLaughlin-Gray, O'Gara, Pereira, Stark.

Assistant Professors: Boross, de Veer, Mullenix, Reinholz, Schenck.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) Theatre Programs

Degrees Offered: B.A., B.S.

MAJOR IN THEATRE

— 48 hours in Theatre required.

— Required courses: THE 100, 101, 2 hours of 102/302, 110, 130, 160, 170, 237, 240, 261, 344, 376, and 377.

- Students in the 48-hour major are required to complete 1 of the following concentrations:

Cinema Studies: THE 271, 370, 371

Creative Drama: THE 280 and 6 hours of 381.

Directing: 3 hours each of THE 340, 341 and 342.

Microcomputer Applications in Theatre: 9 hours from MUS 211; ART/MUS/THE 387, 388; THE 276, 359, 398.09.

Theatre History: THE 370, and 6 hours from 287, 300; ENG 222, 223, 325, 327, 328, 378.

Theatre Management: THE 345 and 6 hours of 309.

Acting Sequence:

- 55 hours in Theatre required, including 12 hours of core courses and 43 studio hours either in Acting or Dance.
- Continuation in this sequence after the freshman year is by consent of the Department Acting and/or Dance faculty.
- A qualifying performance audition is required for all incoming students wishing to enter THE 205, 207 or 219. Students who are deficient in dance technique will have to begin at the 100-level in classical ballet, modern dance, and jazz dance. These deficiency hours will be above the 55 hours required for this sequence. Information concerning admission auditions is available from the Theatre Department.
- All 300-level Acting courses (THE 312, 313, 314, 315, 316, 317, 318, 321, 322 and 324) are restricted to Acting majors. Prerequisites for each course must be met as stated in the course descriptions.
- Required core courses (12 hrs): THE 100, 102/302 (1 hr), 110, 130, 237.
- Additional required courses (43 hrs): **Students must choose between A and B following:**

A. THE 113/313, 160, 211, 220, 240, 376 and 377; 6 hours of THE 314; 6 hours from THE 312, 314, 315, 316 or 322; 3 hours from THE 321, 324 or 2 hours approved dance technique classes; 3 hours from THE 317; MUS 126, 137/237, 165/265/365, 184/284, 185/285, 186/286, 188/288; PAS 115 or 211; and 2-3 hours Theatre electives to complete 55 hours.

B. HPR 181; THE 125, 225, 228 (3 hrs), 205/305 (6 hrs), 207/307 (6 hrs), 219 (6 hrs), 261, 372 and 373 and 5 hours electives from THE 102/302, 226, 228, 312 or 387.

Design/Production Sequence:

- 55 hours in Theatre required.
- Required courses: THE 100, 110, 130, 160, 237, 240, 260, 261, 362, 376, 377; 6 hours to be selected from 330, 331, 332, 333, 342, 361, 363, 365, 367.
- Theatre electives to complete 55 hours.

Teacher Education Sequence:

- 42 hours in Theatre required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: THE 100, 101, 110, 113/313, 130, 160, 185 (2 hrs), 237, 240, 280, 285 (2 hrs), 376, 385 and 1 course selected from 340, 341, 261 or 362.
- Students are required to enroll in THE 185/285 for a minimum of 1/2 credit hour their first semester and to complete a total of 4 credit hours of prescribed field activities in Theatre Education as a part of their program. The Department recommends that students who plan to teach in high school take COM 123 and 223. Second teaching field required.
- To qualify for certification, students must complete an education minor, the Professional Education

Requirements, and the General Education Requirements as described in the Teacher Education Requirements-High School section of this *Undergraduate Catalog*.

- **NOTE:** Theatre majors are encouraged to participate in at least 1 University Theatre production each semester. Credit in THE 102 or 302 may be earned for this participation. Students are encouraged to earn practicum credit in at least 4 different areas of theatre experience, such as costume, technical, management, acting, lighting, make-up. All students may audition for productions after they have achieved second semester freshman status.

MINOR IN THEATRE

- 24 hours in Theatre required.
- Required courses: 100, 101, 110, 130, 160, and 240; 4 hours from 376 and 377; and Theatre electives to complete 24 hours.

Teacher Education Sequence:

- 24 hours in Theatre required.
- Required courses: THE 100, 101, 110, 160, 240, 385, and 376 or 377.
- Students registering for THE 160 may be required to take 1 hour of THE 102/302 Practicum.
- 4 hours of THE 185 and 285 are prerequisites for THE 385. For students without these prerequisites, the Minor in Theatre/Teacher Education Sequence may require 28 hours.
- **NOTE:** The Department recommends that students who plan to teach in high school take COM 123 and 223.

MINOR IN CINEMA STUDIES

- 18 hours of Cinema Studies required.
- Required courses: THE 170, 370, 371.
- 9 additional hours from: ENG 107; ART 252; THE 270, 271, 370.

MINOR IN DANCE

- **24 hours required.**
- Students in this minor must take BSC 181 as their US-3 requirement.
- Students in this minor must be sufficiently proficient in ballet, jazz, and modern dance to be placed in the second-level courses by audition. Students should begin their studio sequences with THE 205, 207, and 219. This minor may require more hours than listed for students with studio deficiencies.
- Required studio courses: THE 102/302 (1 hr), 125 (2 hrs), 205 (2 hrs), 207 (2 hrs), 219 (2 hrs), 228 (2 hrs), 261 (3 hrs), 305 (2 hrs), 307 (2 hrs), 372 (3 hrs), 373 (3 hrs).
- According to the minimum requirements for state certification, students in any area that has no established state standards (such as Dance) must have 32 semester hours in the area in order to be endorsed. Students wishing endorsement must complete the minor and the following Teacher Education Sequence.

Teacher Education Sequence:

- HPR 153.10 (1 hr); THE 227 (2 hrs), 327 (2 hrs), and 3 hours of Theatre electives as approved by the Dance advisor.

CLINICAL EXPERIENCES IN TEACHER EDUCATION

Clinical Experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings.

All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of Student Teaching; students must provide their own transportation to Clinical Experience sites.

The approximate number of clinical hours and type of activity associated with each course offering can be found with the appropriate course description. The following legend relates to the type and kind of activity related to a specific course.

Clinical Experiences Legend

1. Observation
2. Tutoring one on one contact
3. Non-instruction assisting
4. Instructional aiding a group
5. Micro teaching
6. Simulation lab exercises
7. Work with clinic client
8. Graduate practicum
9. Professional meeting
10. Other

Theatre Courses

100 INTRODUCTION TO THE LITERATURE OF THE THEATRE 3 F,S
Survey of literature of theatre from the Greeks to the present. Emphasis is on the study of structure, genres, and history of the period in which the play was produced.

101 ORAL INTERPRETATION OF LITERATURE 3 F,S
The individual performance of non-dramatic literature as a means of improving performance skills and as an approach to the study of literature.

102 THEATRE PRACTICUM 1-2 F,S
May be repeated.
Production experience in the areas of acting, costume and scenery preparation, production crew, box office, and stage management.

105 MODERN DANCE I US-6 2 F,S
Formerly HPR 122.
An introduction to modern dance through technique, improvisations, and composition.

106 MODERN DANCE II US-6 2 F,S
THE 105 req. Formerly HPR 122.02.
Continuation of THE 105 with emphasis on technique.

107 BALLET I US-6 2 F,S
Formerly HPR 123.
An introduction to the techniques and style of ballet.

108 BALLET II US-6 2 F,S
THE 107 or conc reg or cons inst req. Formerly HPR 123.02.
A continuation of 107.

110 ACTING I 3 F,S
Maj/min only. Cons inst req. May be repeated; max 6 hrs. Formerly BASIC ACTING.
Basic skills and concepts of acting. Exploration of the actor's internal (psychological-emotional) resources through exercises, discussions, and performance projects.

113 ACTING II 3 S
THE 110 or equiv, and cons inst req. Not for cr if had THE 313.
Analysis, rehearsal, and performance of representative scripts.

114 TAP I US-6 2 F
Formerly HPR 125.
An introduction to the techniques and styles of tap dance.

115 TAP II US-6 2 S
THE 114 or cons inst req. Formerly HPR 125.02.
A continuation of THE 114.

119 JAZZ DANCE I US-6 2 F,S
Formerly HPR 124.
An introduction to the techniques and styles of jazz dance.

120 JAZZ DANCE II US-6 2 F,S
THE 119 or cons inst req. Formerly HPR 124.02.
A continuation of 119.

125 DANCE COMPOSITION I 2 F
THE 205 and/or 207, or cons inst req. Formerly HPR 165.
Theory and practice in spatial, temporal, and dynamic design applied to choreography.

130 INTRODUCTION TO COSTUME 3 F,S
Lab arranged.
Study and practical application of costume construction techniques and the study of basic costume design practice.

150 INTRODUCTION TO THE THEATRE US-6 3 F,S
Not for cr maj/min.
Special attention to the productions being given during the semester.

151 HISTORY OF THE THEATRE IN WESTERN CULTURE US-2 3 F,S
Not for cr maj/min.
Introductory survey of the history of the Western theatre from its origins to the present, with particular emphasis on the influences of previous theatrical periods on the theatre of our time.

153 INTRODUCTION TO ACTING 3 F,S
Not for cr maj/min.
Introduction to process and nature of acting; variety of theatre experiences to encourage an understanding and appreciation of actor's craft.

154 INTRODUCTION TO BLACK DRAMA AND THEATRE 3 F
Exploration of the plays of the African-American dramatist from the Harlem Renaissance to the Black Arts Movement through lecture, discussion, and workshop techniques.

160 STAGECRAFT 3 F,S
Lab and/or conc reg; THE 102 or 302 req.
Theory and technique of basic construction and rigging procedures.

170 INTRODUCTION TO FILM ART US-6 3 F,S
Artistic and social values of the cinema as a contemporary art form. Screening and discussion of selected films.

171 HISTORY OF THE AMERICAN FILM 3 S
The art and thought of 20th-century American life as interpreted through the film.

183 PUPPETRY 3 S*Also offered as ART 183.*

Introduction to the performance art of puppetry and its educational applications: history, staging, construction, and manipulation of hand, rod, and shadow puppets.

185 CONTINUING ORIENTATION TO THEATRE EDUCATION I 1/2 F,S

Theatre Ed maj only, who must enroll for 1/2 hr per sem for 8 sem in THE 185 and 285 for a total of 4 hrs. Conc reg possible; exceptions (especially for transfer students) by cons dept chair. Structured as a self-instructional program with a series of req experiences, formal class meetings, and sequential developmental evaluations which are to be completed prior to student teaching. Incl Clin Exp: 5-30 hrs, Type 1-4.

Principles of administering a secondary-school theatre program as a learning facilitator, co-curricular director, and theatre professional.

205 INTERMEDIATE MODERN DANCE 2 F,S

Cons inst req. May be repeated; max 6 hrs. Formerly HPR 162.

Intermediate techniques and theory of modern dance.

207 INTERMEDIATE BALLET 2 F,S

Cons inst req. May be repeated; max 6 hrs. Formerly HPR 163.

Intermediate ballet technique and theory.

211 VOCAL TECHNIQUE FOR THE ACTOR I 3 F

THE 113 or equiv, 30 hrs, and cons acting faculty req. Not for cr if had THE 111 or 311. Formerly THE 311.

Studies in relaxation, breathing, alignment, tonal focus, and articulation, leading to an understanding of the actor's vocal life and demands.

219 INTERMEDIATE JAZZ DANCE 2 F,S

Cons inst req. May be repeated; max 6 hrs. Formerly HPR 161.

Intermediate techniques and theory of jazz dance.

220 STAGE MOVEMENT I 3 F

THE 113 or equiv, 30 hrs, and cons of acting faculty req. Not for cr if had THE 320. Formerly THE 320.

Fundamental principles of stage movement, physical improvisation, traditional stage deportment, performing in period costumes.

225 DANCE COMPOSITION II 2 S

THE 125 or conc reg req. Formerly HPR 365.

Continued development of theoretical concepts of choreography with emphasis on form and group compositions.

227 DANCE PEDAGOGY I 2 F

Adm to Teacher Ed req for Teacher Ed Seq. Incl Clin Exp: 20 hrs, Type 1-4. Formerly HPR 260.

Basic principles and techniques of teaching dance in schools, studios, and agencies; planning lessons and teaching in selected dance activity classes.

228 SPECIAL TOPICS IN DANCE 1-3 F,S

May be repeated; max 6 hrs. Formerly HPR 269.

Intensive study of selected dance forms, styles, or repertory.

237 STAGE MAKE-UP 2 F,S

THE 100 req. Materials charge optional.

Introduction to make-up technique through lecture-demonstration and laboratory practice. Development of ability in corrective and prosthetic make-up for characterization.

240 PRINCIPLES OF STAGE DIRECTION 3 F,S

THE 100, 110 and 160 req.

Acquaints the student with the basic principles of stage direction and provides a basic vocabulary and methodology.

250 ARTS AND THE MODERN WORLD US-6 3 F,S

Also offered as ART/MUS 250.

An introductory, interdisciplinary course examining great works of Art, Music, and Theatre as they define and transmit cultural traditions and humanistic values in the modern Western world.

258 INTRODUCTION TO SCENOGRAPHIC TECHNIQUES 3 F

THE 160 req.

Exploration/application of graphic fundamentals for use in theatrical design. Emphasis on drafting and mechanical perspective techniques for the theatre.

260 TECHNICAL PROCEDURES 3 F,S

THE 160 req. May be repeated; max 6 hrs.

Procedures and problems of technical production.

261 LIGHTING FOR STAGE AND TELEVISION 3 F or S

THE 160, 260 or cons inst req.

Instrumentation, aesthetics, application of theatrical and television lighting through classroom/laboratory study.

270 THE DOCUMENTARY IN FILM AND BROADCASTING 3 S

Also offered as COM 270.

Historical, philosophical, and theoretical consideration of documentary approach in films, television, and radio.

271 SURVEY OF NON-WESTERN FILM US-8 3 S

Cross-cultural study of the historical and aesthetic development of non-Western national cinemas through selected African, Indian, Japanese, and Chinese films.

276 INTRODUCTION TO MICROCOMPUTER APPLICATIONS IN THE ARTS 3 F,S

Also offered as ART/MUS 276. Jr standing; 9 hrs of Art, Music, or Theatre; and cons inst req. Formerly 386. Materials charge optional.

An introduction to microcomputer systems and their applications as creative tools in Art, Music, and Theatre.

280 CREATIVE DRAMA 2-3 F,S

El Ed maj should reg for 2 hrs and conc reg ART 205, MUS 277 rec. Conc reg ART/MUS/THE 250 rec. THE Ed maj/min and all others should reg for 3-hr section. Observations and practical activities req. Incl Clin Exp: 4 hrs, Type 1.

Drama in instructional situations for preschoolers through adults, including theory and activities for personal creative growth and teaching both the arts and non-arts subjects.

285 CONTINUING ORIENTATION TO THEATRE EDUCATION II 1/2 F,S

Incl Clin Exp: 5-50 hrs, Type 1-4.

Continuation of THE 185: principles of administering a secondary school theatre program as a learning facilitator, co-curricular director, and theatre professional.

300 TOPICS IN THE LITERATURE OF THE MODERN THEATRE 3 F or S

THE 100 req. May be repeated.

Examination of 20th-century theatrical literature, which may include dramatic literature, criticism, analysis systems, and/or theory. Course content will vary.

- 302 THEATRE PRACTICUM** 1-3 F,S
May be repeated.
 Production experience in the areas of acting, costume and scenery preparation, production crew, box office, and stage management.
- 305 ADVANCED MODERN DANCE** 2 F,S
Cons inst req. may be repeated; max 6 hrs. Formerly HPR 362.
 Intermediate techniques and theory of modern dance.
- 307 ADVANCED BALLET** 2 F,S
Cons inst req. May be repeated; max 6 hrs. Formerly HPR 363.
 Intermediate-advanced ballet technique and theory.
- 309 DIRECTED PROJECTS** 1-3 F,S
Cons inst req. May be repeated.
 Individually supervised study for the advanced student.
- 312 IMPROVISATION** 3 F or S
THE 211, 220, 6 hrs 314, sr standing, and cons Acting faculty req. Not for cr if had THE 112.
 Detailed exploration of improvisational skills as a tool for rehearsal and performance.
- 313 SCRIPTED MATERIAL** 3 S
THE 110 or equiv, jr standing, and cons Acting faculty req. Not for cr if had THE 113. Formerly SCRIPTED MATERIAL.
 Analysis, rehearsal, and performance of representative scripts.
- 314 ACTING STYLES: DISCOVERY AND PERFORMANCE** 3 F,S
THE 211, 220, jr standing, and cons Acting faculty req. May be repeated.
 Performance styles of a particular playwright, period, or medium such as Shakespeare, Restoration, Plays in Translation, and Acting on Camera.
- 315 ACTING: EXPLORING CHARACTERIZATIONS THROUGH ANIMAL EXERCISES** 3 F or S
THE 211, 220, 6 hrs THE 314, sr standing, and cons of Acting faculty req. May be repeated.
 Techniques of actor research and characterization using animal models. Exploration of primitive behavior patterns requiring the actor's total physical and psychological commitment.
- 316 ACTING FOR THE MUSICAL THEATRE** 3 F or S
THE 211, 220, 6 hrs THE 314, sr standing, and cons of Acting faculty req.
 Acting problems inherent in performing for various forms of musical theatre. Work to include preparation of musical numbers and scenes.
- 317 VOCAL TECHNIQUE FOR THE ACTOR II** 3 F or S
THE 211 or equiv, soph/jr standing, and cons Acting faculty req.
 Advanced studies in vocal discipline for actors, including exercises in breath control, relaxation, alignment, tonal focus, and articulation.
- 318 VOCAL TECHNIQUE FOR THE ACTOR III** 3 F or S
THE 211 or equiv, jr standing, and cons Acting faculty req. May be repeated; max 9 hrs.
 Further development of the actor's vocal discipline and resources focusing on specialized textual study, character acting, and vocal improvisation.

- 321 STAGE MOVEMENT II** 3 F or S
THE 220, soph/jr standing, and cons inst req.
 Advanced movement techniques including a study of period dances, stage violence, and mime.
- 322 AUDITIONING** 3 F,S
THE 211, 220, 6 hrs 314, sr standing, and cons Acting faculty req.
 Preparation, performance, and evaluation of numerous audition projects; discussion of the actor's search for employment in the professional theatre.
- 324 STAGE MOVEMENT III** 3 F,S
THE 220, jr standing, and cons Acting faculty req. May be repeated; max 9 hrs.
 Continuation of movement training, varying from semester to semester in special areas including mime, stage combat, mask, and/or circus techniques.
- 327 DANCE PEDAGOGY II** 2 S
Teacher Ed Seq. THE 227 or cons inst req. Incl Clin Exp: 55 hrs, Type 1-5. Formerly HPR 360.
 Supervised clinical experiences in teaching dance to secondary school and studio populations; selection of materials and instructional strategies for these groups.
- 330 THEATRICAL COSTUME DESIGN** 3 S
THE 130 req. May be repeated; max 6 hrs toward degree program.
 Research and practical application to theatrical costume designing; use of dramatic analysis.
- 331 HISTORY AND STYLES OF STAGE COSTUMING** 3 F
THE 130 req.
 The costume's reflection of cultural and social milieu and the costume's application to the stage.
- 332 COSTUME CONSTRUCTION** 3 S
THE 130 and cons inst req. Lab arranged.
 Pattern drafting, draping, fitting, and specialized construction techniques for the theatrical costume craftsman.
- 333 COSTUME CRAFTS** 3 S
THE 130 req. Materials charge optional.
 Theory and technique of costume construction and use of special materials.
- 340 DIRECTING WORKSHOP** 3 S
THE 240 req. May be repeated; max 6 hrs toward degree program.
 Principles and methodologies of stage direction applied to particular problems in a workshop format.
- 341 ORAL INTERPRETATION OF LITERATURE II (Directing/Performance)** 3 S
THE 101 or cons inst req.
 Group forms of Interpretation—Readers Theatre and Chamber Theatre, with experiences to provide the student with practical applications of theory and principle.
- 342 STAGE MANAGEMENT** 3 S
THE 130, 237, 240 req. Conc participation as a stage manager or assistant stage manager for a Mainstage or Studio production req.
 Theory and application of the basic principles of stage management for intermediate and advanced Theatre students.

- 344 PRINCIPLES OF THEATRE MANAGEMENT** 3 S
Lab arranged.
Introduction and demonstration of the practices and procedures of theatre management in today's theatre.
- 345 ADVANCED THEATRE MANAGEMENT** 3 F
THE 344 or cons inst req.
Intensive work in business management techniques for arts organizations, including management practices, union contracts, payrolls, budgeting and income controls.
- 348 PLAYWRITING** 3
Also offered as ENG 348.
Playwriting techniques of selected masters with practical application of techniques in writing original plays.
- 359 COMPUTER-BASED ART AND GRAPHIC DESIGN** 3 F,S
ART/MUS/THE 386 or cons inst req. Also offered as ART 359. Materials charge optional.
Application of advanced 2- and 3-dimensional graphics programs to solve creative problems in the visual and theatrical arts.
- 361 ADVANCED STAGE LIGHTING** 3 F or S
THE 260, 261 or cons inst req. Lab arranged.
Lighting design for proscenium and non-proscenium production; attention to system design.
- 362 STAGE DESIGN** 3 S
THE 160 and 260 or cons inst req.
Nature, function, and aesthetics of scene design, with practice in composition.
- 363 ADVANCED DESIGN** 3 F
THE 362 req. May be repeated; max 6 hrs toward degree program.
Intensive work in the areas of design and rendering for the stage; emphasis upon new materials and techniques.
- 364 ADVANCED PROJECTS IN DESIGN** 2-4 F,S
May be repeated.
Design and production problems as they relate to productions being mounted by the Department of Theatre. Emphasis placed upon creative and collaborative aspects of producing theatre.
- 365 SCENE PAINTING** 3 S
Materials charge optional.
Development of the skills necessary for the organization, preparation, and execution of painted scenery for the stage.
- 367 SCENOGRAPHIC TECHNIQUES** 3 S
Cons inst req.
Descriptive geometry and drafting techniques that are necessary in developing 3-dimensional stage space and scenic units into plans, elevations, and working drawings.
- 370 HISTORY OF THE CINEMA** 3 F,S
Lab: screening of significant films. May be repeated; max 6 hrs.
Historical and aesthetic development of the cinema. Course content will vary.
- 371 FILM THEORY AND CRITICISM** 3 F
THE 170 or cons inst.
Theories relating to the art of filmmaking.
- 373 HISTORY AND PHILOSOPHY OF DANCE II** 3 S
Formerly HPR 367.
History, philosophy, and development of dance from the 17th century to the present.
- 376 THEATRE HISTORY I** 4 F
THE 100 req.
History of drama and theatrical production from its origin to approximately 1775.
- 377 THEATRE HISTORY II** 4 S
THE 100 and 376 req.
History of drama and theatrical production from the late 18th century to the present.
- 378 SHAKESPEARE ON STAGE** 3 Summer
May be repeated once. Also offered as ENG 378.
Intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his works.
- 381 CREATIVE DRAMA PRACTICUM** 2-3 F,S
THE 280 and cons inst req. May be repeated; max 6 hrs. Incl Clin Exp: 10 hrs min, Type 10.
Practical experience in creative drama teaching by leading a class in drama under faculty supervision for a semester. The course is graded (A-F).
- 385 PRINCIPLES OF THEATRE EDUCATION** 5 F
THE 285; C or better in C&I 216 or conc reg req. Incl Clin Exp: hrs 5-100, Type 1-5. Adm to Teacher Ed req.
Philosophies of theatre education, teaching strategies, co-curricular programs, textbook analyses, professional organizations, and related field experience.
- 387 SOFTWARE DESIGN IN THE ARTS** 3 F
Also offered as ART/MUS 387. Materials charge optional.
Designing and programming microcomputer-based software which solve particular applications problems in the fine arts.
- 388 SELECTED TOPICS IN ARTS TECHNOLOGY** 3 F
ART/MUS/THE 276 or cons inst req. Also offered as ART/MUS 388. May be repeated if content different. Materials charge optional.
Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts.
- 398 PROFESSIONAL PRACTICE IN THEATRE** 1-6 F,S
Supervised theatre work experiences in local, state, national, and international businesses, agencies, institutions, and organizations which are planned, administered, and supervised by the Theatre Department.

UNIVERSITY FACULTY AND ADMINISTRATIVE STAFF

The following is a list of faculty and administrative staff members as of the first semester of the 1996-97 Academic Year. The listing reflects Academic Ranks, Titles, Assignments and Departments of Employment effective during 1996-97. Only the highest academic degree is indicated for each faculty member.

Patricia P. Ahell
Assistant to Director, Admissions and Records
M.S., University of Evansville

Jerry Wayne Abner
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B.S., Illinois State University

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M.S. in Ed., Illinois State University

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B.S., Illinois Wesleyan University

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M.A., University of New Mexico

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Assistant Professor, Milner Library
M.S., University of North Texas

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M.B.A., Western Illinois University

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Ph.D., Utah State University

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Ph.D., University of Minnesota-Twin Cities

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Health Educator
B.S., Illinois State University

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Ph.D., Vanderbilt University

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Ph.D., University of Texas-Austin

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Ph.D., Harvard University

Frances E. Anderson
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Ed.D., Indiana University-Bloomington

Paul Simon Anderson
Associate Professor, Geography - Geology
Ph.D., Australian National University

Roger Clark Anderson
Distinguished Professor, Biological Sciences
Ph.D., University of Wisconsin-Madison

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Ph.D., University of Virginia

John Francis Arkins
Assistant Professor, Biological Sciences
Ph.D., University of Illinois-Urbana-Champaign

Catherine D. Armstead
Counselor, Student Counseling Center
M.S., Central Washington University

Joseph Everett Armstrong
Professor, Biological Sciences
Ph.D., Miami University

Kimberly Lloyd Armstrong
Acting Associate University Librarian
Associate Professor, Milner Library
M.M., Appalachian State University

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M.M.Ed., Illinois State University

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M.S., Illinois State University

Patricia Arnold
Faculty Associate, Metcalf Elementary School and
University High School
M.A.T., Northwestern University

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and Foundations
Ed.D., Northern Illinois University

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Certification Processes
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Ph.D., Colorado State University

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Associate Professor, Milner Library
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Ph.D., University of Michigan-Ann Arbor

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Ph.D., Louisiana State University and
A & M College

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M.S., Miami University

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Associate Director, Student Counseling Center
Ph.D., University of Texas-Austin

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Ph.D., Indiana University-Bloomington

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Augustus Leon Beier
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Ph.D., Princeton University

Lucinda McCray Beier
Director, Applied Social Research
Ph.D., University of Lancaster

Ralph Albert Bellas, Jr.
Coordinator, Micro-Computer Laboratories,
Business
M.B.A., Illinois State University

Teresa A. Bellingar
Assistant Professor, Health Sciences
Ph.D., Auburn University

Raufu Ola Bello
Area Coordinator, Residential Life
M.P.A., University of Illinois-Springfield

Wayne Alan Benenson
Assistant Professor, Curriculum and Instruction
Ph.D., University of Idaho

Stephanie A. Bennett
Coordinator, Academic Services
M.S. in Ed., Eastern Illinois University

Carol Benson
Faculty Associate, University High School
D.A., Illinois State University

Jill Benson
Assistant Director, Student Life and Programs
M.S., Indiana State University

Bruce Lind Bergethson
Manager, Radio Station WGLT
M.A., Temple University

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Professor, Psychology
Ph.D., University of Colorado-Boulder

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Professor, Mathematics
Ph.D., University of Minnesota-Twin Cities

Laura E. Berk
Distinguished Professor, Psychology
Ph.D., University of Chicago

Alice Berry
Associate Professor, Foreign Languages
Ph.D., Duke University

Todd Allen Berry
Head Men's Football Coach
B.S. in B.A., University of Tulsa

Norman C. Bettis
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Ph.D., Michigan State University

Gina Lea Bianchi
Coordinator, Academic Services
B.A., Millikin University

Thomas James Bierma
Professor, Health Sciences
Ph.D., University of Illinois-Chicago

Barbara Trost Bills
Faculty Associate, University High School
M.S., Illinois State University

224 Faculty and Administrative Staff

- John Francis Binning**
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Ph.D., University of Akron
- David Jonathan Blacker**
Assistant Professor, Educational Administration and Foundations
Ph.D., University of Illinois-Urbana-Champaign
- David W. Blackwell**
Assistant Men's Football Coach
B.S., East Carolina University
- Maureen Estelle Blair**
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M.S. in Ed., Eastern Illinois University
- Marilyn Frechin Blank**
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M.S. in Ed., Illinois State University
- Barry Robert Blinderman**
Director, University Galleries
M.A., University of Pennsylvania
- Glenn Block**
Professor, Music
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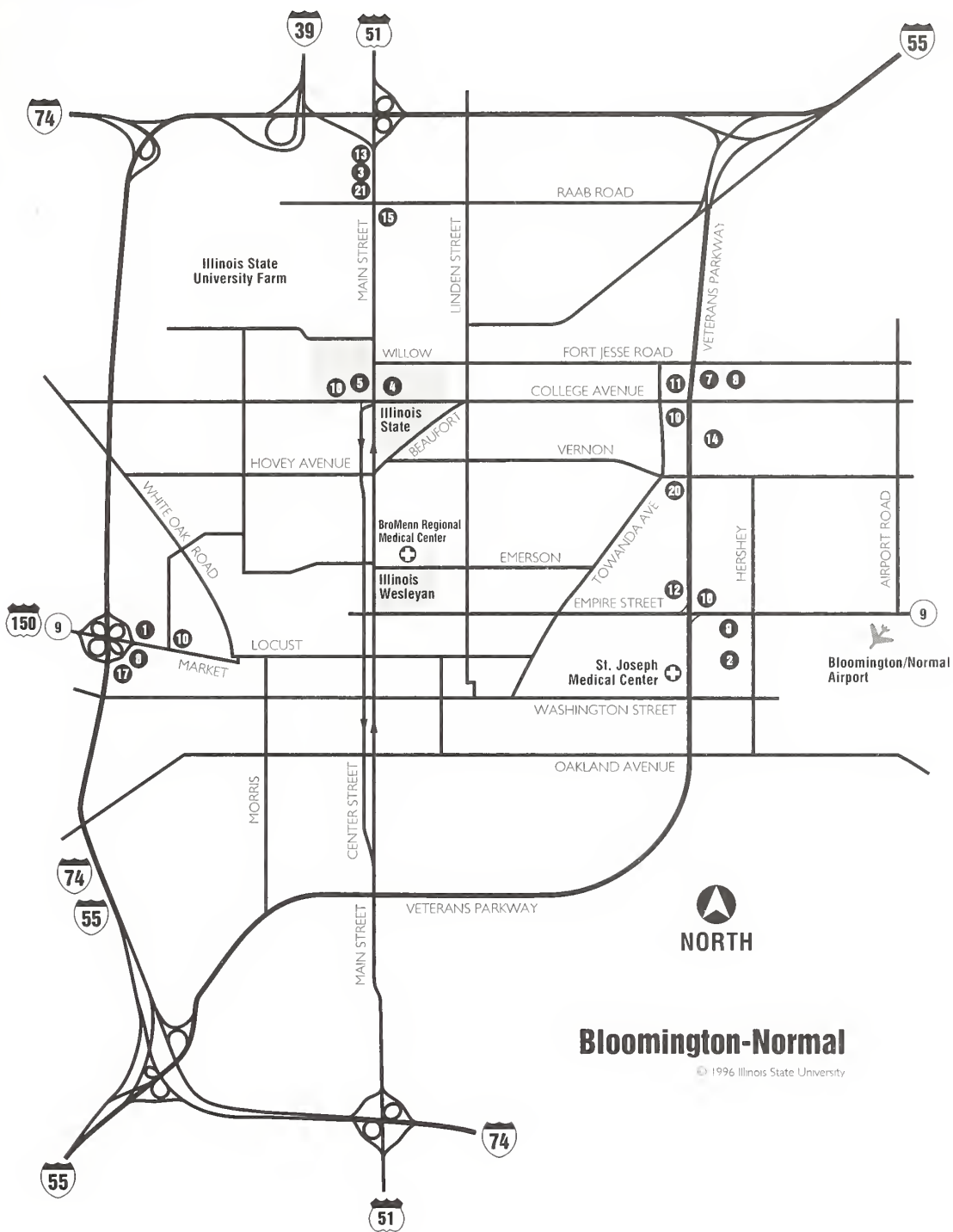
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